

Incident ID	nAPP2202551635
District RP	
Facility ID	
Application ID	

Remediation Plan

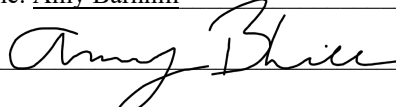
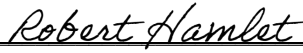
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ 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 BarnhillTitle: Environmental AdvisorSignature: Date: 5-16-23email: abarnhill@chevron.comTelephone: 432-687-7723**OCD Only**Received by: Jocelyn HarimonDate: 05/16/2023☐ Approved☐ Approved with Attached Conditions of Approval☐ Denied☐ Deferral ApprovedSignature: 

Date: _____

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>25.5</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

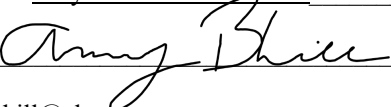
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

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Oil Conservation Division

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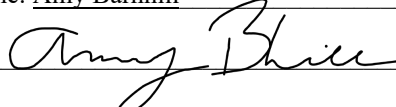
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Closure

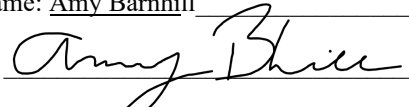
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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: 5-16-23

email: abarnhill@chevron.com

Telephone: 432-687-7723

OCD Only

Received by: Jocelyn Hairmon Date: 05/16/2023

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: _____

Printed Name: _____ Title: _____

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Interim Closure Report
HHNM Section 2 RWCS Frac Pond
Produced Water Release
Eddy County, New Mexico

Latitude: N 32.069889°
Longitude: W -104.166858°

LAI Project No. 22-0105-05

May 10, 2023

Prepared for:
Breakwater Energy Partners, LLC
8 Greenway Plaza Suite 1005
Houston, Texas 77046

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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1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of Breakwater Energy Partners, LLC (Breakwater) for submittal to the New Mexico Oil Conservation Division (NMOCD) District II for a produced water release at the HHNM Section 2 RWCS Frac Pond (Site) located in Unit L (NW/4 of SW/4), Section 2, Township 26 South, Range 27 East in Eddy County, New Mexico. The geodetic position is North 32.069889° and West -104.166858°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on January 23, 2022, and was caused by a loose line into the frac pond resulting in a release to the land. Chevron reported that 150 barrels (bbls) of produced water was released, with 70 bbls of produced water recovered. The affected area measures approximately 64,560 square feet. The initial C-141 was submitted to NMOCD District II on January 25, 2022. The release was assigned incident number nAPP2202551635. 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 3,217 feet above mean sea level (msl).
- The surface elevation gradually decreases to the east.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as “High Risk” potential.
- The soils are designated as Reeves-Reagan loams, 0 to 3 percent slopes, consisting of 0 to 8 inches of loam, underlain by 8 to 32 inches of clay loam and 32 to 60 inches of gypsiferous material.
- Surface geology is Rustler Formation (Upper Permian) – siltstone, gypsum, sandstone, and dolomite.
- Groundwater occurs at depth greater than 25.25 feet below ground surface (bgs) based on depth to groundwater measurements taken 72 hours after installing a boring (BH-1) on April 29, 2020.

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

1.3 Remediation Standards

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

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 100 mg/Kg
- Chloride 600 mg/Kg

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

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2.0 DELINEATION

On January 25, 2022, LAI personnel used a stainless-steel hand auger to collect vertical and horizontal delineation soil samples from thirty one (31) sample locations (S-1 through S-31). The samples were collected at a depth of approximately 0.5 and 1-foot bgs. The soil samples were delivered under chain of custody and preservation to Eurofins - Xenco Laboratories (Xenco) in Midland, Texas, which analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) and total petroleum hydrocarbons (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35), and chloride by EPA SW-846 Methods 8021B, 8015M, and M300, respectively. Figure 2 presents an aerial map showing the sample locations.

Benzene, BTEX, and TPH reported below the NMOCD remediation standards in Table 1 (19.15.29 NMAC) of 10 milligrams per kilogram (mg/Kg), 50 mg/Kg, and 100 mg/Kg, respectively. Chloride exceeded the NMOCD delineation limit of 600 mg/Kg in the following samples:

Sample ID	Depth (Feet)	Chloride (mg/Kg)	Sample ID	Depth (Feet)	Chloride (mg/Kg)
S-1	0.5	8,670	S-15	0.5	625
S-1	1	3,510	S-17	1	2,220
S-2	0.5	8,080	S-18	1	706
S-2	1	2,370	S-20	1	1,680
S-3	0.5	7,810	S-21	0.5	4,840
S-3	1	1,150	S-22	0.5	2,990
S-4	0.5	5,640	S-22	1	3,130
S-4	1	695	S-23	1	5,680
S-5	0.5	1,940	S-24	0.5	8,550
S-6	0.5	9,460	S-27	1	1,090
S-6	1	1,760	S-28	0.5	5,180
S-7	0.5	682	S-28	1	1,950
S-10	0.5	1,220	S-29	0.5	661
S-10	1	4,020	S-30	0.5	3,960
S-12	0.5	11,200	S-30	1	11,400
S-12	1	1,110	S-31	1	2,480

On February 28, 2022, LAI personnel conducted an electromagnetic (EM-31) terrain conductivity survey to qualitatively identify the source for a potential second produced water release resulting in increased chloride concentrations in the subsurface. The EM-31 has exploration capabilities ranging from 0 to 9.8 feet bgs in the horizontal dipole (HD) and 0 to 19.7 feet bgs in the vertical dipole (VD). A background location was established at a location free of cultural interference and environmental impacts to map the boundaries of the release. The EM readings were collected using a grid-based approach and/or a series of transects over an area measuring approximately 500 x 500 feet.

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Each map (HD and VD) was contoured depicting the areas where readings were observed greater than two (2) times background. Overlaying the original spill area defined by LAI personnel while conducting the initial site assessment, indicates the elevated chloride concentrations within the subsurface are related to the current produced water release.

On March 16 and 17, 2022, LAI personnel used a Geoprobe® Model 7822DT direct push rig to further delineate the above-mentioned sample locations to a maximum depth of ten (10) feet bgs, depending on subsurface conditions. Due to the presence of above ground electrical lines near sample locations S-10 and S-12, LAI personnel used a stainless-steel hand auger to delineate to a depth of approximately five (5) feet bgs. Three (3) sample locations (S-10, S-12, and S-28) remained above the NMOCD delineation limit of 600 mg/kg for chloride.

On December 21, 2022, and January 16, 2023, during remediation activities and subsequent disconnection of the above ground electrical lines, sample locations (S-10, S-12, and S-28) were delineated with a track hoe. Laboratory analysis results demonstrate the release was delineated according to the NMOCD remediation and closure requirements (19.15.29.12 NMAC Table 1) for groundwater occurring at a depth less than 50 feet bgs. Appendix D presents the laboratory results.

3.0 REMEDIATION

The remediation areas were divided into three (3) sections: north, east, and west excavation areas. Throughout the entirety of the remediation process, LAI personnel utilized the Hach Model CDS-DT chloride test kit with digital titrator to determine chloride concentrations within each sample location prior to submitting to the laboratory for laboratory analysis. If field analysis reported chloride concentrations greater than 600 mg/Kg, an additional one (1) foot of soil was excavated, and the soil retested. Figure 5 presents an aerial map showing the excavation locations. Figure 6a, 6b, and 6c present aerial maps showing the north, east, and west excavation areas, respectively.

3.1 North Excavation Area

During October 2022, Halo Services, Inc. (Halo), began excavating soil encompassing sample locations S-10 and S-12, between the two (2) frac ponds, to a depth of approximately two (2) feet bgs. Contaminated soil was stockpiled on a liner near the entrance to the frac ponds on the southwest corner, prior to being hauled to disposal at the R360 Red Bluff facility, approximately 13 miles northwest of Orla, Texas. On October 27, 2022, LAI personnel collected twenty-seven (27) bottom confirmation soil samples (C-1 through C-27) and seven (7) sidewall confirmation soil samples (SW-1 through SW-7) from within the northern excavated areas.

Field analysis reported twenty-two (22) bottom confirmation soil samples (C-1, C-2, and C-8 through C-27) and six (6) sidewall confirmation soil samples (SW-2 through SW-7) above the NMOCD closure criteria

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for chloride of 600 mg/Kg. During December 2022 to February 2023, Halo services excavated additional soil from the bottom and sidewalls of the above referenced sample locations in 1-foot increments. Sidewalls sample locations were excavated to the extent of the frac pond walls, which prevented further excavation. Also, soil was excavated from the bottoms to a maximum depth of fifteen (15) feet bgs, where the excavation was halted due to the potential of hydrostatic pressure from the adjacent frac pond sidewalls which risks jeopardizing the integrity of the frac ponds.

During January 2023, the south portion of this excavation was extended approximately 20 feet south. LAI personnel collected four (4) additional bottom (C-231 through C-234) and one (1) sidewall sample (SW-35). Chloride concentrations remain above the NMOCD remediation standard of 600 mg/kg in the following samples:

Sample ID	Depth (Feet)	Chloride (mg/Kg)
C-1	15	907
C-2	15	1,860
C-10	10	763
C-14	12	784
SW-6	0 - 5	2,380

3.2 East Excavation Area

During October 2022 and November 2022, Halo began excavating soil encompassing delineation soil sample locations S-15, S-17, S-18, S-20 through S-24 to a maximum depth of approximately three (3) feet bgs. On October 31, 2022, November 1, 2022, November 11, 2022, and December 8, 2022, LAI personnel collected one hundred seven (107) bottom confirmation soil samples (C-28 through C-130 and C-200 through C-204) and twenty-two (22) sidewall confirmation samples (SW-8 through S-17, S-31 through S-43) within the east excavation.

Laboratory and field analysis reported fifty (50) bottom confirmation soil samples (C-28 through C-33, C-39, C-40, C-48 through C-51, C-53 through C-55, C-61, C-63, C-64, C-66, C-67, C-72, C-79 through C-81, C-88, C-92, C-95, C-98, C-99, C-103 through C-110, C-112, C-114, C-117 through C-122, and C-126 through C-130) and twenty-one (21) sidewall confirmation soil samples (SW-8, SW-9, SW-11 through SW-17, SW-31 through SW-34, and SW-37 through SW-43) with chloride concentrations above the NMOCD closure criteria.

During December 2022 to March 2023, Halo excavated additional soil in 1-foot increments from the bottom and sidewalls at the above-reference sample locations, to a maximum depth of approximately fifteen (15) feet bgs. The additional soil from sidewalls resulted in twenty-two (22) additional bottom confirmation samples (C-235 through C-248 and C-252 through C-259).

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The excavation was halted at three (3) bottom sample locations (C-61, C-64, and C-80) at depths of fifteen (15), ten (10), and six (6) feet bgs, respectively, where further excavation risked jeopardizing the integrity of an electrical pole.

The excavation was halted at sidewall sample locations SW-8, SW-17, SW-40, and SW-41. Sidewall sample location SW-8 was excavated to the within two (2) feet of the frac pond, which prevented further excavation. Two (2) sidewalls sample locations SW-40 and SW-41 were excavated to within the Chevron allowed horizontal limits of aboveground electrical poles and grounding wires. Also, SW-17 was excavated up to an underground water utility line operated by Solaris Water Midstream.

On March 29, 2023, LAI personnel collected three (3) samples (BG-1 through BG-3) approximately ten (10) feet east of sidewall sample location SW-17 at depths of one (1), three (3), and four (4) feet bgs. Laboratory analysis of the background samples reported BTEX, TPH, and chloride concentrations below the NMOCD closure criteria. Chloride concentrations remain above the NMOCD remediation standard of 600 mg/Kg in the following confirmation samples:

Sample ID	Depth (Feet)	Chloride (mg/Kg)
C-61	15	1,430
C-64	10	1,210
C-80	6	694
SW-8	0 – 5	705
SW-17	0 – 3	7,150
SW-40	0 – 6	2,210
SW-41	0 – 2	8,170

3.3 West Excavation Area

During November and December 2022, and March 2023, Halo excavated soil encompassing delineation soil samples S-1 through S-7, S-27 through S-30, and S-33 at variable depths to a maximum of three (3) feet bgs. During November and December 2022, LAI personnel collected ninety-five (95) bottom confirmation soil samples (C-131 through C-199, C-205 through C-225, and C-260 through C-267) and fifteen (15) sidewall confirmation soil samples (SW-18 through SW-30, SW-44, and SW-45). Xenco analyzed the samples for BTEX, TPH and chloride.

Laboratory and/or field analysis reported ten (10) bottom confirmation soil samples (C-147, C-154, C-155, C-172, C-179, C-180, C-188, C-189, C-192, and C-196) and nine (9) sidewall confirmation soil samples (SW-21, SW-24 through SW-30) chloride above the NMOCD closure standard of 600 mg/Kg. Halo excavated additional soil in 1-foot increments from the bottom and sidewalls of the above reference sample locations to a maximum depth of ten (10) feet bgs. One (1) additional sidewall confirmation soil sample (SW-36) and three (3) bottoms (C-249 through C-251) samples were required because of excavating

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additional soil encompassing sample location SW-21. The chloride concentration remained above the NMOCD remediation standard of 600 mg/Kg in the following sample:

Sample ID	Depth (Feet)	Chloride (mg/kg)
SW-21	0 – 3	2,900

Appendix D presents NMOCD communications. Appendix E presents the laboratory reports. Appendix F presents the photographic documentation.

4.0 VARIANCE/DEFERRAL REQUEST

LAI on behalf of Breakwater requests approval from the NMOCD to install a 20-mil polyethylene liner at seven (7) sample locations (C-1, C-10, C-12, C-14, C-61, C-64, and C-80) due additional excavation adjacent frac pond sidewalls and possible hydrostatic pressure risks jeopardizing the integrity of the frac ponds (C-1, C-2, C-10, and C-12). A variance is requested near sample locations C-61 and C-64 due to the depth of the excavation (fifteen (15) and ten (10) feet, respectively), and the location of sample C-80, where further excavation risk jeopardizing the integrity of the electrical pole. The liner will extend to an adjacent sample location where laboratory analysis has reported chloride concentrations below the NMOCD closure criteria. The liner will be installed at a depth of approximately seven (7) feet bgs and overlain with topsoil. Figure 7a and 7b presents aerial maps showing the liner installation areas.

Further, LAI, on behalf of Breakwater, requests a deferral for chloride at sidewall sample locations SW-6, SW-8, SW-17, SW-40, and SW-41. Sidewall sample locations SW-6 and SW-8 are situated adjacent to frac ponds, sidewall sample location SW-17 is located adjacent to an underground pipeline, and sidewall sample locations SW-40 and SW-41 are located adjacent to above ground electrical lines. Further excavation at these locations risks jeopardizing the integrity of the frac ponds, underground line, and above ground electrical lines which may result in additional environmental impacts. Figure 8a, 8b, and 8c presents aerial maps showing the deferral locations.

The excavation has been backfilled except for the areas where the variances and deferral are requested. Upon approval of the variance and deferral requests, LAI personnel will complete the backfilling, seed the backfilled areas with BLM Mix #3 and submit the final closure report.

Tables

Table 1
Soil Sample Analytical Data Summary
Breakwater Energy - Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"

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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	1/25/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	8,670
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	3,510
	1	3/17/2022	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	696
	3	3/17/2022	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	8.35
	5	3/17/2022	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	29.1
S-2	0.5	1/25/2022	In-Situ	<0.00199	0.00522	<50.0	<50.0	<50.0	<50.0	8,080
	1	1/25/2022	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	2,370
	1	3/17/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	2,760
	3	3/17/2022	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	123
	5	3/17/2022	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	66.8
	7	3/17/2022	In-Situ	<0.00115	<0.00230	<28.7	<28.7	<28.7	28.7	257
S-3	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	7,810
	1	1/25/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	1,150
	1	3/16/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	1,770
	3	3/16/2022	In-Situ	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	11.1
	5	3/16/2022	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	6.10
	7	3/16/2022	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	10.4
S-4	0.5	1/25/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	5,640
	1	1/25/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	695
	1	3/17/2022	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	2,600
	3	3/17/2022	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	9.93
	5	3/17/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	5.02
	6	3/17/2022	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	11.7
S-5	0.5	1/25/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	1,940
	1	1/25/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	95.1

Table 1
Soil Sample Analytical Data Summary
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North 32° 04' 11.28", West 104° 09' 59.86"

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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-6	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	9,460
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	1,760
	1	3/17/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	1,990
	3	3/17/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	326
	5	3/17/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	764
	10	3/17/2022	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	181
S-7	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	682
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	8.85
S-8	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	387
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	10.4
S-9	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	63.7	<49.9	63.7	161
	1	1/25/2022	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	7.06
S-10	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	64.0	<49.9	64.0	1,220
	1	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	4,020
	2	3/17/2022	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	194
	3	3/17/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	17.3
	3	12/21/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	65.4
	5	3/17/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	652
	5	12/21/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	122
S-11	0.5	1/25/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	110
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	121

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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-12	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	11,200
	1	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	1,110
	2	3/17/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	352
	3	3/17/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	12,200
	3	12/21/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	142
	5	3/17/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	1,020
	5	12/21/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	552
S-13	0.5	1/25/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	393
	1	1/25/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	156
S-14	0.5	1/25/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	97.9
	1	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	107
S-15	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	625
	1	1/25/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	320
S-16	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	138
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	280
S-17	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	145
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	2,220
	2	3/17/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	93.6
	3	3/17/2022	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	70.3

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Soil Sample Analytical Data Summary
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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	
	5	3/17/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	150
S-18	0.5	1/25/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	190
	1	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	706
	2	3/16/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	25.8
	3	3/16/2022	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	5.28
	4	3/16/2022	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	4.79
S-19	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	19.7
	1	1/25/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	136
S-20	0.5	1/25/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	194
	1	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	1,680
	1	3/16/2022	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	2,610
	3	3/16/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	477
	5	3/16/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	86.4
	6	3/16/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	18.4
S-21	0.5	1/25/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	4,840
	1	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	86.1
S-22	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	2,990
	1	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	3,130
	1	3/16/2022	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	4,230
	3	3/16/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	571
	5	3/16/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	547
	10	3/16/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	66.7

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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-23	0.5	1/25/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	261
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	5,680
	1	3/16/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	4,930
	3	3/16/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	14.7
	5	3/16/2022	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	3.08
	10	3/16/2022	In-Situ	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	3.41
S-24	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	8,550
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	49.1
S-25	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	339
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	26.4
S-26	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	39.3
	1	1/25/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	64.7
S-27	0.5	1/25/2022	In-Situ	<0.00200	<0.00399	<50.0	98.5	<50.0	98.5	125
	1	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	61.0	<49.9	61.0	1,090
	1	3/16/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	745
	3	3/16/2022	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	7.30
	5	3/16/2022	In-Situ	<0.00103	<0.00213	<26.6	<26.6	<26.6	<26.6	24.2
S-28	0.5	1/25/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	5,180
	1	1/25/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	1,950
	1	3/16/2022	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	2,340
	3	3/16/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	437

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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
	3	1/16/2023	In-Situ	<0.00198	<0.00396	<49.9	60.2	<49.9	60.2	131
	5	3/16/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	664
	5	1/16/2023	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	662
	10	3/16/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	608
	10	1/16/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	377
S-29	0.5	1/25/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	661
	1	1/25/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	85.2
S-30	0.5	1/25/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	3,960
	1	1/25/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	11,400
	1	3/16/2022	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	649
	3	3/16/2022	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	116
	5	3/16/2022	In-Situ	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	374
S-31	0.5	1/25/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	503
	1	1/25/2022	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	2,480
	2	3/17/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	25.7
	3	3/17/2022	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	32.5
	5	3/17/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	20.9
S-32	1	3/16/2022	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	11.9
	3	3/16/2022	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	4.21
S-33	1	3/16/2022	In-Situ	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	2.86
	3	3/16/2022	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	1.74
	5	3/16/2022	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	3.33
BG-1	1	3/29/2023	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	43.4

Table 1
Soil Sample Analytical Data Summary
Breakwater Energy - Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"

Page 7 of 7

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
	3	3/29/2023	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	19.2
	4	3/29/2023	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	16.0
BG-2	1	3/29/2023	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	22.7
	3	3/29/2023	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	19.7
BG-3	1	3/29/2023	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	48.0
	3	3/29/2023	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	29.4

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
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
C-1	Bottom	11	01/05/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	1,510
		15	02/08/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	907
C-2	Bottom	10	01/05/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	1,220
		15	02/08/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,860
C-3	Bottom	2	10/27/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	96.4
C-4	Bottom	2	10/27/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	61.0
C-5	Bottom	2	10/27/2022	In-Situ	<0.00200	<0.00399	<49.8	87.2	<49.8	87.2	132
C-6	Bottom	2	10/27/2022	In-Situ	<0.00199	<0.00398	<50.0	83.3	<50.0	83.3	83.4
C-7	Bottom	2	10/27/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	149
C-8	Bottom	6	12/29/2022	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	794
		7	02/06/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	427
C-9	Bottom	6	12/29/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	303
C-10	Bottom	9	01/04/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,270
		10	02/06/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	763
C-11	Bottom	8	01/03/2023	Excavated	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	1,430
		12	02/06/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	134
C-12	Bottom	8	12/30/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	485
C-13	Bottom	9	12/30/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	768
		10	02/06/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	462
C-14	Bottom	9	12/30/2022	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	1,430
		12	02/06/2023	In-Situ	<0.00200	0.03	<50.0	<50.0	<50.0	<50.0	784
C-15	Bottom	7	12/30/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	420
C-16	Bottom	5	12/28/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	715
		12	02/06/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	260
C-17	Bottom	10	01/03/2023	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	1,330
		12	02/06/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	385
C-18	Bottom	7	12/29/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	266

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
C-19	Bottom	5	12/27/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	322
C-20	Bottom	5	12/21/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	466
C-21	Bottom	5	12/21/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	63.3
C-22	Bottom	5	12/21/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	67.1
C-23	Bottom	5	12/21/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	96.5
C-24	Bottom	5	12/21/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	239
C-25	Bottom	5	12/21/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	33.0
C-26	Bottom	5	12/21/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	65.3
C-27	Bottom	5	12/21/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	74.2
C-28	Bottom	5	01/06/2023	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	126
C-29	Bottom	5	01/06/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	99
C-30	Bottom	5	01/06/2023	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	193
C-31	Bottom	6	01/09/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	218
C-32	Bottom	6	01/09/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	263
C-33	Bottom	1	01/06/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	148
C-34	Bottom	1	10/31/2022	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	218
C-35	Bottom	1	10/31/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	174
C-36	Bottom	1	10/31/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	255
C-37	Bottom	1	10/31/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	322
C-38	Bottom	1	10/31/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	254
C-39	Bottom	5	01/06/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	355
C-40	Bottom	5	01/06/2023	Excavated	<0.00199	<0.0039	<50.0	<50.0	<50.0	<50.0	838
		6	02/07/2023	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	23.4
C-41	Bottom	1	10/31/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	252
C-42	Bottom	1	10/31/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	119
C-43	Bottom	1	10/31/2022	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	166
C-44	Bottom	1	10/31/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	233

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
C-45	Bottom	1	10/31/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	204
C-46	Bottom	1	10/31/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	133
C-47	Bottom	1	10/31/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	465
C-48	Bottom	5	01/06/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	154
C-49	Bottom	5	01/06/2023	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	460
C-50	Bottom	5	01/06/2023	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	187
C-51	Bottom	5	01/06/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	105
C-52	Bottom	1	10/31/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	308
C-53	Bottom	5	01/06/2023	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	112
C-54	Bottom	5	01/06/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	246
C-55	Bottom	5	01/06/2023	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	424
C-56	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	211
C-57	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	134
C-58	Bottom	3	11/01/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	213
C-59	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	194
C-60	Bottom	3	11/01/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	410
C-61	Bottom	10.5	01/09/2023	Excavated	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	1,440
		15	02/28/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	1,430
C-62	Bottom	3	11/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	555
C-63	Bottom	3	01/09/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	501
C-64	Bottom	3	01/09/2023	Excavated	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	1,070
		10	02/28/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	1,210
C-65	Bottom	3	11/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	483
C-66	Bottom	10	12/08/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	353
C-67	Bottom	10	12/08/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	319
C-68	Bottom	3	11/01/2022	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	203
C-69	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	167

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
C-70	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	427
C-71	Bottom	3	11/01/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	332
C-72	Bottom	3	01/09/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	128
C-73	Bottom	3	11/01/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	143
C-74	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	557
C-75	Bottom	3	11/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	310
C-76	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	235
C-77	Bottom	10	12/08/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	51.0
C-78	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	550
C-79	Bottom	6	01/09/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	575
C-80	Bottom	6	01/09/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	694
C-81	Bottom	6	01/09/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	498
C-82	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	135
C-83	Bottom	3	11/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	226
C-84	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	351
C-85	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	127
C-86	Bottom	3	11/01/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	306
C-87	Bottom	3	11/01/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	511
C-88	Bottom	7	01/09/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	138
C-89	Bottom	3	11/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	45.9
C-90	Bottom	3	11/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	38.6
C-91	Bottom	3	11/11/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	154
C-92	Bottom	6	01/09/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	66.0
C-93	Bottom	3	11/11/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	103
C-94	Bottom	3	11/11/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	75.5
C-95	Bottom	6	01/11/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	134
C-96	Bottom	3	11/11/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	86.3

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
C-97	Bottom	3	11/11/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	60.9
C-98	Bottom	3	01/10/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	334
C-99	Bottom	3	01/10/2023	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	623
		5	02/24/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	50.5
C-100	Bottom	3	11/11/2022	In-Situ	<0.00201	<0.00401	<49.9	<49.9	<49.9	<49.9	689
		5	01/19/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	14.5
C-101	Bottom	3	11/11/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	730
		5	01/19/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	315
C-102	Bottom	3	11/11/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	1,310
		4	01/19/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	481
C-103	Bottom	6	01/19/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	338
C-104	Bottom	4	01/19/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	432
C-105	Bottom	4	01/19/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	31.6
C-106	Bottom	5	01/19/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	208
C-107	Bottom	5	01/19/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	174
C-108	Bottom	5	01/19/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	95.7
C-109	Bottom	8	01/10/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	476
C-110	Bottom	3	11/14/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	1,410
		7	01/19/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	517
C-111	Bottom	5	01/19/2023	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	304
C-112	Bottom	3	11/14/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	824
		4	01/19/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	91.0
C-113	Bottom	1	11/14/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	462
C-114	Bottom	6	02/02/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	30.6
C-115	Bottom	1	11/14/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	595
C-116	Bottom	1	11/14/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	222
C-117	Bottom	1	11/14/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	861

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
		4	02/02/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	337
C-118	Bottom	6	02/02/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	164
C-119	Bottom	7	01/10/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	379
C-120	Bottom	5	02/02/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	297
C-121	Bottom	5	02/02/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	423
C-122	Bottom	1	11/14/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	1,540
		5	02/02/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	357
C-123	Bottom	0.5	11/14/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	108
C-124	Bottom	0.5	11/14/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	215
C-125	Bottom	0.5	11/14/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	186
C-126	Bottom	2	02/02/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	625
		3	03/06/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	399
C-127	Bottom	2	02/02/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	494
C-128	Bottom	3	03/06/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	400
C-129	Bottom	3	03/06/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	133
C-130	Bottom	3	03/06/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	146
C-131	Bottom	3	11/30/2022	In-Situ	<0.00201	<0.00401	<50.0	<50.0	<50.0	<50.0	19.8
C-132	Bottom	3	11/30/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	172
C-133	Bottom	3	11/30/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	370
C-134	Bottom	3	11/30/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	59.0
C-135	Bottom	3	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	75.5
C-136	Bottom	3	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	31.8
C-137	Bottom	3	12/01/2022	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	276
C-138	Bottom	3	12/01/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	51.3
C-139	Bottom	3	12/01/2022	In-Situ	<0.00200	<0.00401	<49.9	>49.9	<49.9	<49.9	25.8
C-140	Bottom	3	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	95.4
C-141	Bottom	3	12/01/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	87.5

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
C-142	Bottom	3	12/01/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	92.2
C-143	Bottom	3	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	20.4
C-144	Bottom	3	12/01/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	59.3
C-145	Bottom	3	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	32.4
C-146	Bottom	3	12/01/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	237
C-147	Bottom	2	01/16/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	246
C-148	Bottom	1	12/01/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	255
C-149	Bottom	1	12/01/2022	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	134
C-150	Bottom	1	12/01/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	112
C-151	Bottom	1	12/02/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	94.4
C-152	Bottom	1	12/02/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	191
C-153	Bottom	1	12/02/2022	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	443
C-154	Bottom	1	12/02/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	125	125	86.7
C-155	Bottom	3	01/16/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	246
		1	12/02/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	1,090
C-156	Bottom	2	01/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	96.1
		1	12/02/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	348
C-157	Bottom	1	12/02/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	57.9	57.9	254
C-158	Bottom	1	12/02/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	51.3	51.3	324
C-159	Bottom	1	12/02/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	101
C-160	Bottom	1	12/02/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	39.6
C-161	Bottom	4	12/06/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	50.6
C-162	Bottom	4	12/06/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	56.7
C-163	Bottom	4	12/06/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	75.8
C-164	Bottom	4	12/06/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	16.2
C-165	Bottom	4	12/06/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	192
C-166	Bottom	4	12/06/2022	In-Situ	<0.00199	<0.00398	<50.0	70.6	<50.0	70.6	13.8

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
C-167	Bottom	4	12/06/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	23.0
C-168	Bottom	4	12/06/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	26.9
C-169	Bottom	4	12/06/2022	In-Situ	<0.00201	<0.00402	<50.0	59.4	<50.0	59.4	63.5
C-170	Bottom	4	12/06/2022	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	11.6
C-171	Bottom	4	12/06/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	5.81
C-172	Bottom	10	01/16/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	377
C-173	Bottom	4	12/06/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	31.5
C-174	Bottom	4	12/06/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	25.3
C-175	Bottom	4	12/06/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	57.1
C-176	Bottom	4	12/06/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	31.0
C-177	Bottom	4	12/06/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	19.2
C-178	Bottom	4	12/06/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	6.21
C-179	Bottom	2	01/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	437
C-180	Bottom	2	01/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	116
C-181	Bottom	4	12/07/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	48.8
C-182	Bottom	2	12/07/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	52.5
C-183	Bottom	2	12/07/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	51.6
C-184	Bottom	2	12/07/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	96.5
C-185	Bottom	2	12/07/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	520
C-186	Bottom	2	12/07/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	72.9
C-187	Bottom	2	12/07/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	56.9	56.9	7.35
C-188	Bottom	3	01/16/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	218
C-189	Bottom	2	12/07/2022	In-Situ	<0.00199	<0.00398	<49.9	63.4	183	246	133
		3	01/16/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	78.8
C-190	Bottom	1	01/16/2023	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	335
C-191	Bottom	1	01/16/2023	In-Situ	<0.00199	<0.00398	<50.0	64.5	<50.0	64.5	488
C-192	Bottom	2	12/07/2022	In-Situ	<0.00202	<0.00403	<50.0	125	379	504	161

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
		3	01/16/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	67.4
C-193	Bottom	2	12/07/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	56.3	56.3	375
C-194	Bottom	2	12/08/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	53.3	53.3	78.6
C-195	Bottom	2	12/08/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	43.8
C-196	Bottom	1	01/16/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	349
C-197	Bottom	2	12/08/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	131
C-198	Bottom	2	12/08/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	29.8
C-199	Bottom	2	12/08/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	91.9
C-200	Bottom	4	12/08/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	58.8
C-201	Bottom	4	12/08/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	108
C-202	Bottom	4	12/08/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	348
C-203	Bottom	4	12/08/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	203
C-204	Bottom	4	02/02/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	810
		5	02/24/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	133
C-205	Bottom	4	12/08/2022	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	119
C-206	Bottom	3	01/05/2023	In-Situ	<0.00202	<0.00403	<50.0	71.9	<50.0	71.9	258
C-207	Bottom	3	01/05/2023	In-Situ	<0.00202	<0.00403	<49.9	52.6	<49.9	52.6	321
C-208	Bottom	3	01/05/2023	In-Situ	<0.00202	<0.00399	<49.8	<49.8	<49.8	<49.8	73
C-209	Bottom	3	01/05/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	252
C-210	Bottom	3	01/05/2023	Excavated	<0.00199	<0.00398	<49.9	59.9	<49.9	59.9	612
		4	02/07/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	101
C-211	Bottom	3	01/05/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	223
C-212	Bottom	3	01/05/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	349
C-213	Bottom	3	01/05/2023	Excavated	<0.00200	<0.00401	<50.0	235	<50.0	235	116
		4	03/01/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	69.6
C-214	Bottom	3	01/05/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	260
C-215	Bottom	3	01/05/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	184

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
C-216	Bottom	3	01/05/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	202
C-217	Bottom	3	01/05/2023	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	156
C-218	Bottom	3	01/05/2023	Excavated	<0.00199	<0.00398	<49.9	122	<49.9	122	124
		4	03/01/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	86.7
C-219	Bottom	3	01/05/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	236
C-220	Bottom	3	01/05/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	287
C-221	Bottom	3	01/05/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	193
C-222	Bottom	3	01/05/2023	In-Situ	<0.00199	<0.00398	<50.0	77	<50.0	77	181
C-223	Bottom	4	01/05/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	59
C-224	Bottom	3	01/05/2023	In-Situ	<0.00200	<0.00399	<50.0	63.2	<50.0	63.2	105
C-225	Bottom	3	01/05/2023	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	706
		4	02/21/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	190
C-226	Bottom	3	01/05/2023	In-Situ	<0.00200	<0.00399	<49.9	86	<49.9	86	291
C-227	Bottom	3	01/05/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	154
C-228	Bottom	3	01/05/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	197
C-229	Bottom	3	01/05/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	115
C-230	Bottom	3	01/05/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	178
C-231	Bottom	4	01/04/2023	Excavated	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	898
		5	02/06/2023	Excavated	<0.00199	<0.00398	<50.0	53.3	<50.0	53.3	603
		6	02/21/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	33.8
C-232	Bottom	5	01/04/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	286
C-233	Bottom	5	01/04/2023	Excavated	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	1,520
		6	02/06/2023	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	609
		7	02/21/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	14.1
C-234	Bottom	6	01/04/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	231
C-235	Bottom	3	01/11/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	368
C-236	Bottom	4	01/11/2023	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	179

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
C-237	Bottom	3	01/11/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	14.6
C-238	Bottom	4	01/11/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	64.9
C-239	Bottom	3	01/11/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	95.9
C-240	Bottom	4	01/11/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	133
C-241	Bottom	4	01/11/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	211
C-242	Bottom	1	01/11/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	452
C-243	Bottom	2	01/11/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	295
C-244	Bottom	2	01/11/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	144
C-245	Bottom	2	01/11/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	744
		3	02/22/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	169
C-246	Bottom	2	01/11/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	272
C-247	Bottom	2	01/11/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	279
C-248	Bottom	2	01/11/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	686
		3	02/22/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	86.1
C-249	Bottom	3	02/22/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	162
C-250	Bottom	3	02/22/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	43.2
C-251	Bottom	3	02/22/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	10.5
C-252	Bottom	3	02/24/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	114
C-253	Bottom	3	02/24/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	205
C-254	Bottom	3	02/24/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	420
C-255	Bottom	2	02/22/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	160
C-256	Bottom	2	02/22/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	307
C-257	Bottom	3	02/24/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	148
C-258	Bottom	2	03/06/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	186
C-259	Bottom	2	03/06/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	277
C-260	Bottom	2	03/13/2023	In-Situ	<0.00118	<0.00235	<29.4	<29.4	<29.4	<29.4	93.7
C-261	Bottom	2	03/13/2023	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	27.0

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
C-262	Bottom	2	03/13/2023	In-Situ	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	58.2
C-263	Bottom	2	03/13/2023	In-Situ	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	17.2
C-264	Bottom	2	03/13/2023	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	36.7
C-265	Bottom	2	03/13/2023	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	47.5
C-266	Bottom	2	03/13/2023	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	47.3
C-267	Bottom	2	03/13/2023	In-Situ	<0.00115	<0.00230	<28.7	<28.7	<28.7	<28.7	25.9
SW-1	Sidewall	0 - 2	10/27/2022	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	282
SW-2	Sidewall	0 - 5	01/18/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	121
SW-3	Sidewall	0 - 5	01/18/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	550
SW-4	Sidewall	0 - 3.5	01/12/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	14.9
SW-5	Sidewall	0-5	01/04/2023	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	5,480
			02/07/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	430
SW-6	Sidewall	0 - 5	02/21/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	2,380
SW-7	Sidewall	0 - 5	12/28/2022	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	98.7
SW-8	Sidewall	0 - 5	01/12/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	705
SW-9	Sidewall	0 - 1	01/09/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	362
SW-10	Sidewall	0 - 3	11/11/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	473
SW-11	Sidewall	0 - 3	01/09/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	1,220
			03/01/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	236
			01/09/2023	Excavated	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	798
SW-12	Sidewall	0 - 6	02/21/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	271
			03/28/2023	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	41.8
			01/09/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	225
SW-14	Sidewall	0 - 2	01/11/2023	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	649
			02/24/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	171
SW-15	Sidewall	0 - 5	02/21/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	282
SW-16	Sidewall	0 - 3	01/17/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	593

Table 2

Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
SW-17	Sidewall	0 - 3	02/21/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	7,150
SW-18	Sidewall	0 - 3	12/02/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	598
SW-19	Sidewall	0 - 3	12/02/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	64.0
SW-20	Sidewall	0 - 3	12/02/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	81.9
SW-21	Sidewall	0 - 3	02/27/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	2,900
SW-22	Sidewall	0 - 4	12/06/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	150
SW-23	Sidewall	0 - 4	12/06/2022	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	58.2
SW-24	Sidewall	0 - 4	02/07/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	312
SW-25	Sidewall	0 - 1	02/07/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	122
SW-26	Sidewall	0-3	01/05/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	2,620
		0 - 4	02/07/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	383
SW-27	Sidewall	0-3	01/05/2023	Excavated	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	2,650
		0 - 4	02/07/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	61.6
SW-28	Sidewall	0-3	01/05/2023	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	151
SW-29	Sidewall	0-3	01/05/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	207
SW-30	Sidewall	0 - 3	01/17/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	23.7
SW-31	Sidewall	0 - 3	01/10/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	85.6
SW-32	Sidewall	0 - 3	01/10/2023	In-Situ	<0.00199	<0.0098	<50.0	<50.0	<50.0	<50.0	189.0
SW-33	Sidewall	0 - 3	01/10/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	286
SW-34	Sidewall	0 - 5	02/21/2023	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	8.65
SW-35	Sidewall	0 - 3	01/10/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	44.1
SW-36	Sidewall	0 - 3	03/28/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	207
SW-37	Sidewall	0 - 5	02/28/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	120
SW-38	Sidewall	0 - 3	03/28/2023	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	142
SW-39	Sidewall	0 - 6	02/27/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	31.5
SW-40	Sidewall	0 - 6	02/27/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	2,210
SW-41	Sidewall	0 - 2	02/27/2023	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	8,170

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	
SW-42	Sidewall	0 - 2	03/06/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	145
SW-43	Sidewall	0 - 2	02/27/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	68.5
SW-44	Sidewall	0 - 2	03/13/2023	In-Situ	<0.00120	<0.00241	<30.1	<30.1	<30.1	<30.1	129
SW-45	Sidewall	0 - 2	03/13/2023	In-Situ	<0.00118	<0.00235	<29.4	<29.4	<29.4	<29.4	277
Backfill Confirmation Composite Samples											
BF-1	Backfill	--	03/27/2023	In-Situ	<0.00120	<0.00241	<30.1	<30.1	<30.1	<30.1	55.2
BF-2	Backfill	--	03/27/2023	In-Situ	<0.00128	<0.00256	<32.1	<32.1	<32.1	<32.1	36.1
BF-3	Backfill	--	03/27/2023	In-Situ	<0.00135	<0.00270	<33.8	<33.8	<33.8	<33.8	11.5
BF-4	Backfill	--	03/27/2023	In-Situ	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	5.94
BF-5	Backfill	--	03/27/2023	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	22.7
BF-6	Backfill	--	03/27/2023	In-Situ	<0.00130	<0.00260	<32.5	<32.5	<32.5	<32.5	55.0
BF-7	Backfill	--	03/27/2023	In-Situ	<0.00133	<0.00267	<33.3	<33.3	<33.3	<33.3	42.2
BF-8	Backfill	--	03/27/2023	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	274
BF-9	Backfill	--	03/27/2023	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	73.0
BF-10	Backfill	--	03/27/2023	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	36.5
BF-11	Backfill	--	03/27/2023	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	35.4
BF-12	Backfill	--	03/27/2023	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	17.8
BF-13	Backfill	--	03/27/2023	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	46.7
BF-14	Backfill	--	03/27/2023	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	18.6
BF-15	Backfill	--	03/27/2023	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	25.4

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

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

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

Depth reported in feet below ground surface (bgs)

Table 2
Confirmation Soil Sample Analytical Data Summary
Hayhurst Pond 2
Eddy County, New Mexico
North 32° 04' 11.28", West 104° 09' 59.86"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100			600	

Bold and Highlighted indicates parameter concentration above NMOCD closure criteria

Figures

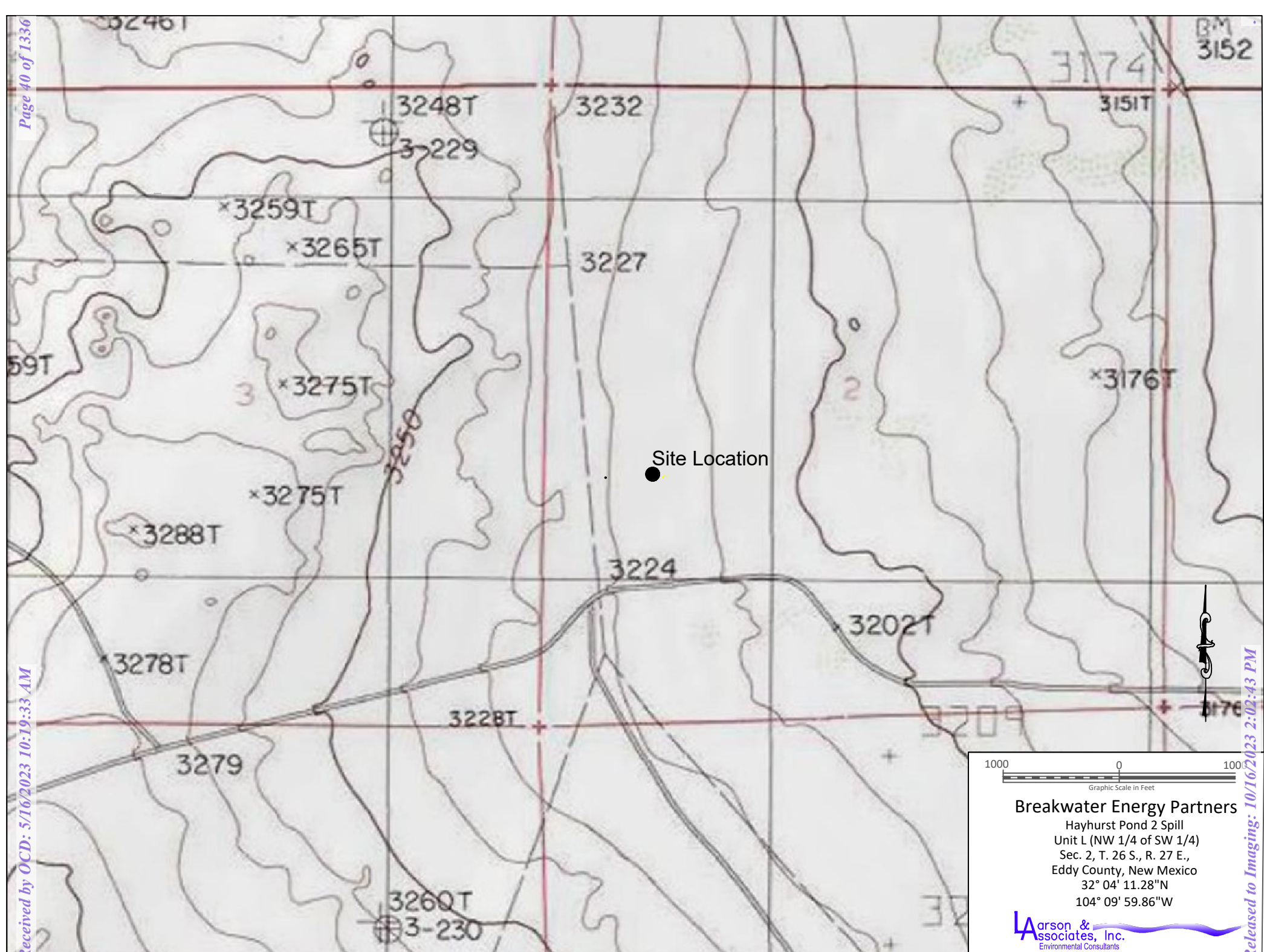


Figure 1 - Topographic Map

Breakwater Energy Partners
Hayhurst Pond 2 Spill
Unit L (NW 1/4 of SW 1/4)
Sec. 2, T. 26 S., R. 27 E.,
Eddy County, New Mexico
32° 04' 11.28"N
104° 09' 59.86"W

Larson & Associates, Inc.
Environmental Consultants

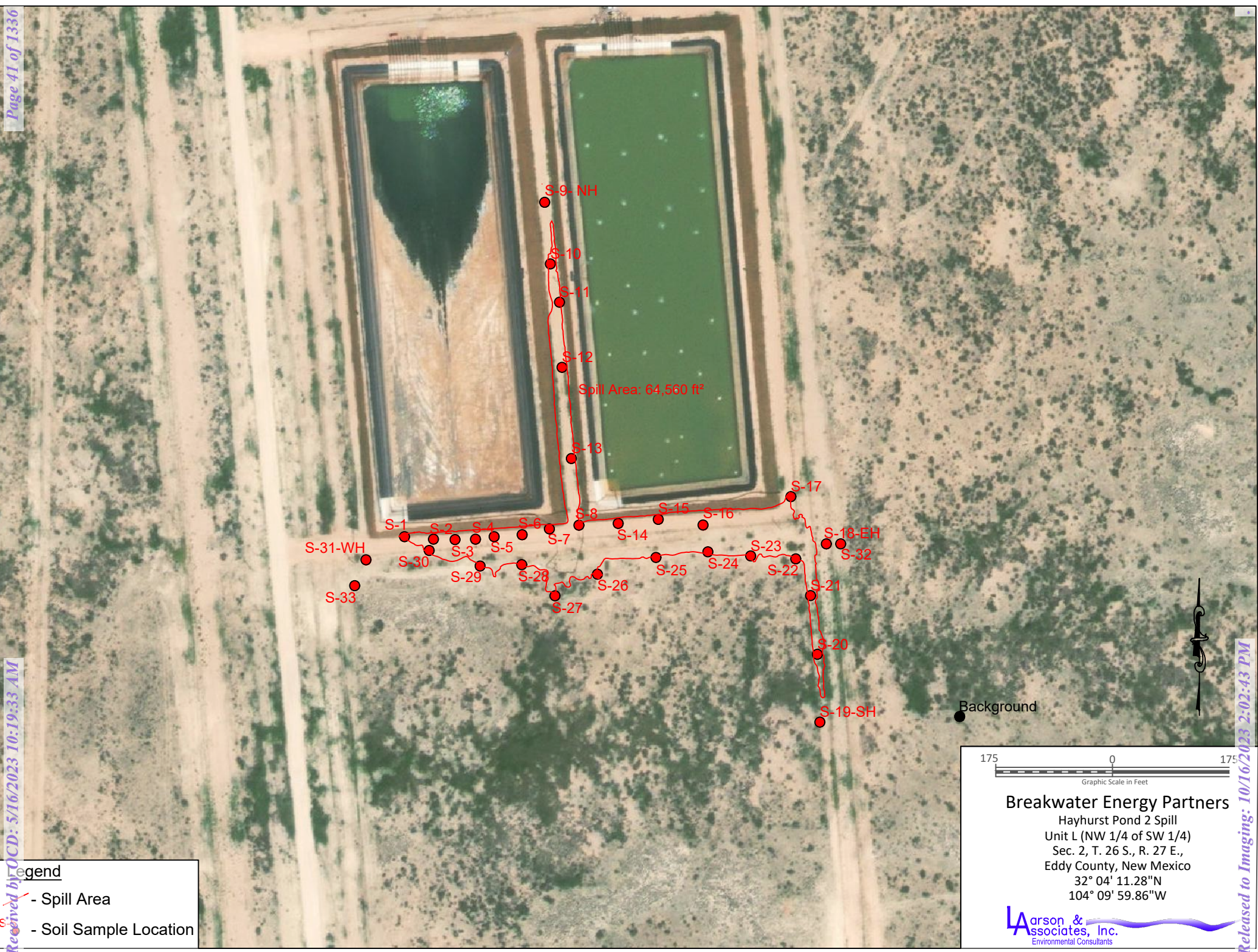
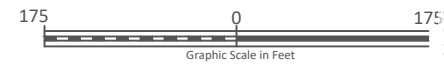


Figure 2 - Aerial Map



Breakwater Energy Partners
Hayhurst Pond 2 Spill
Unit L (NW 1/4 of SW 1/4)
Sec. 2, T. 26 S., R. 27 E.,
Eddy County, New Mexico
32° 04' 11.28"N
104° 09' 59.86"W

Larson & Associates, Inc.
Environmental Consultants

Figure 4 - Aerial Map Showing Boring Hole Location

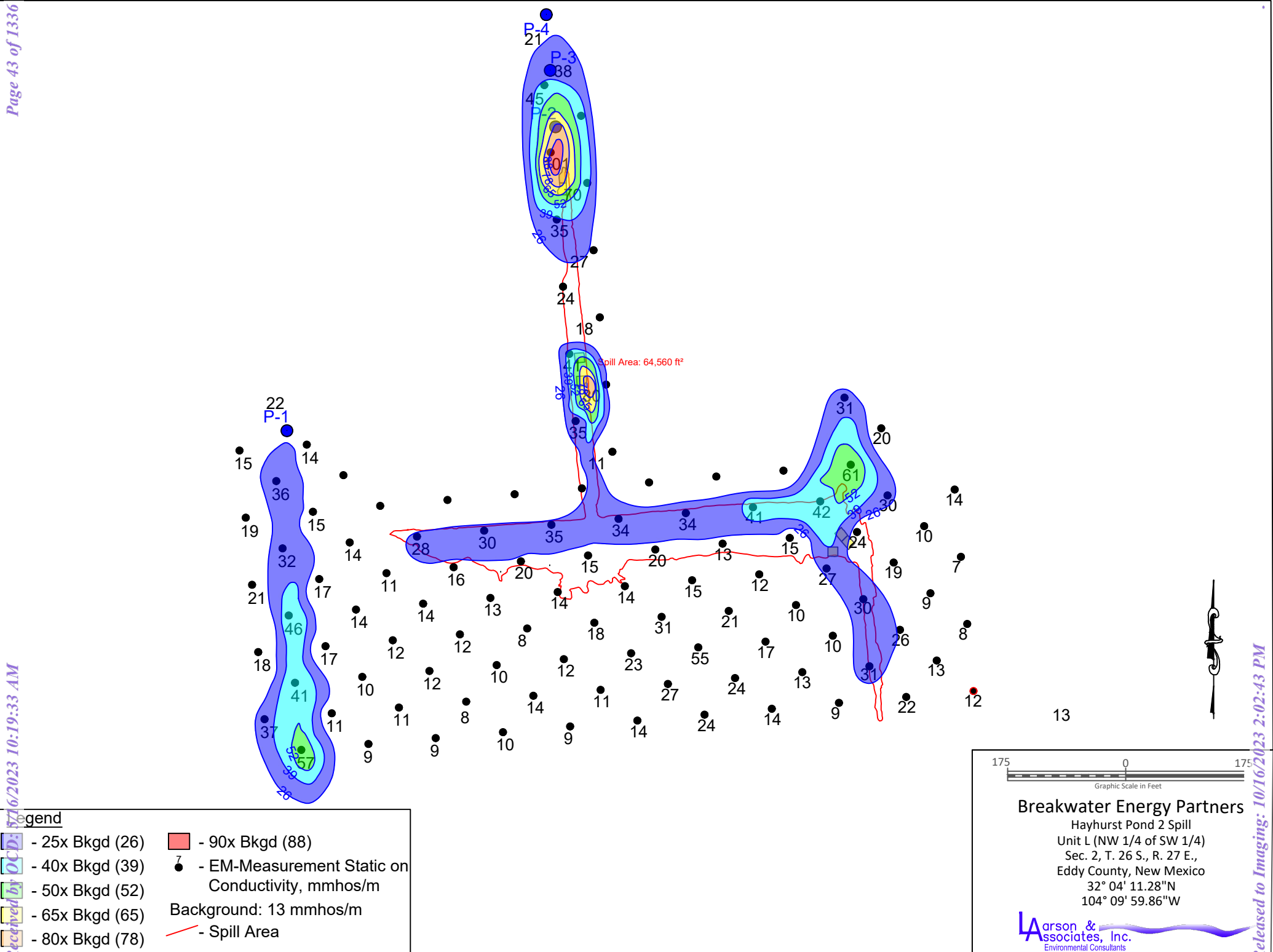


Figure 4a - EM 31 HD Conductivity Map

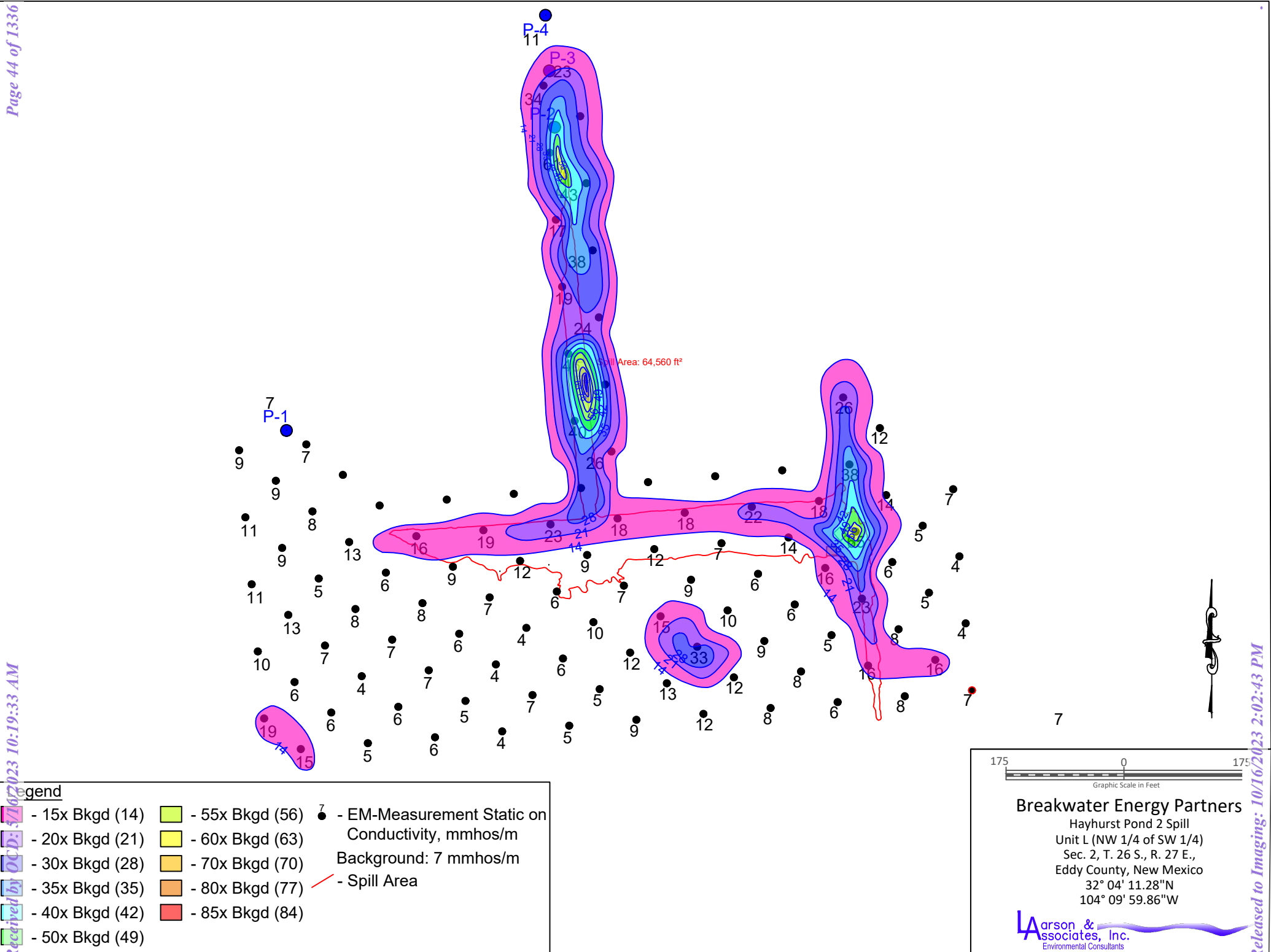


Figure 4b - EM 31 VD Conductivity Map

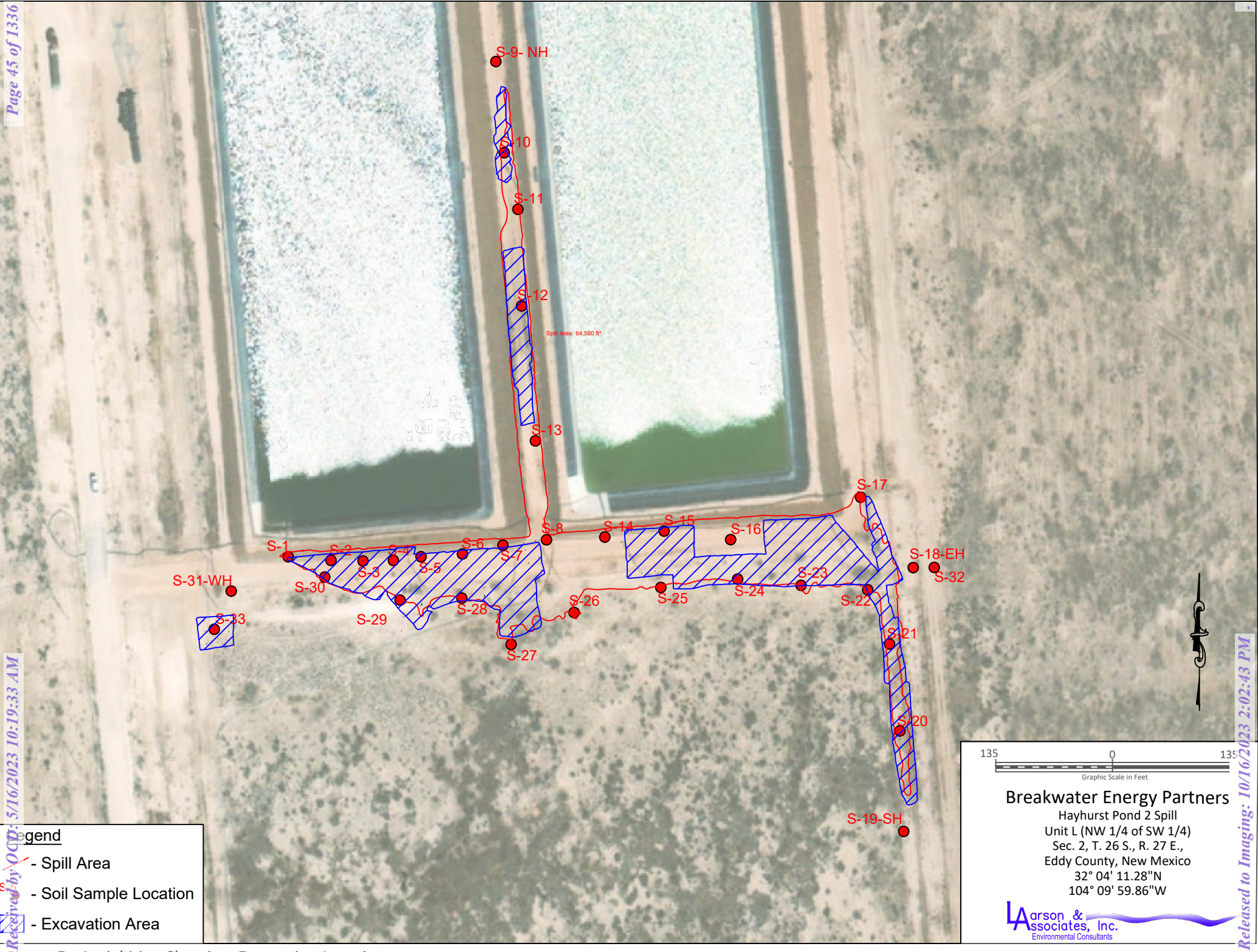


Figure 5 - Aerial Map Showing Excavation Locations

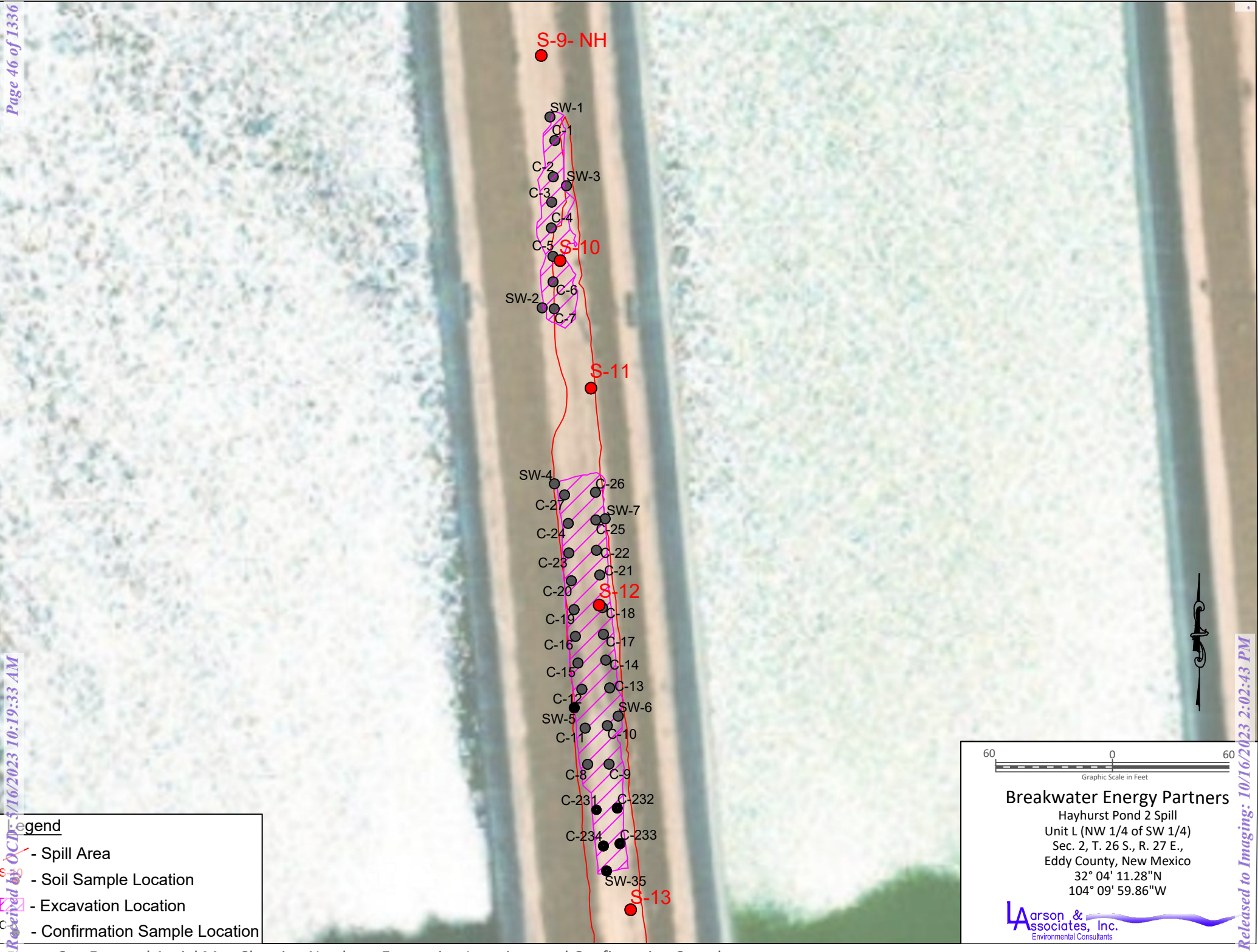


Figure 6a - Focused Aerial Map Showing Northern Excavation Locations and Confirmation Samples

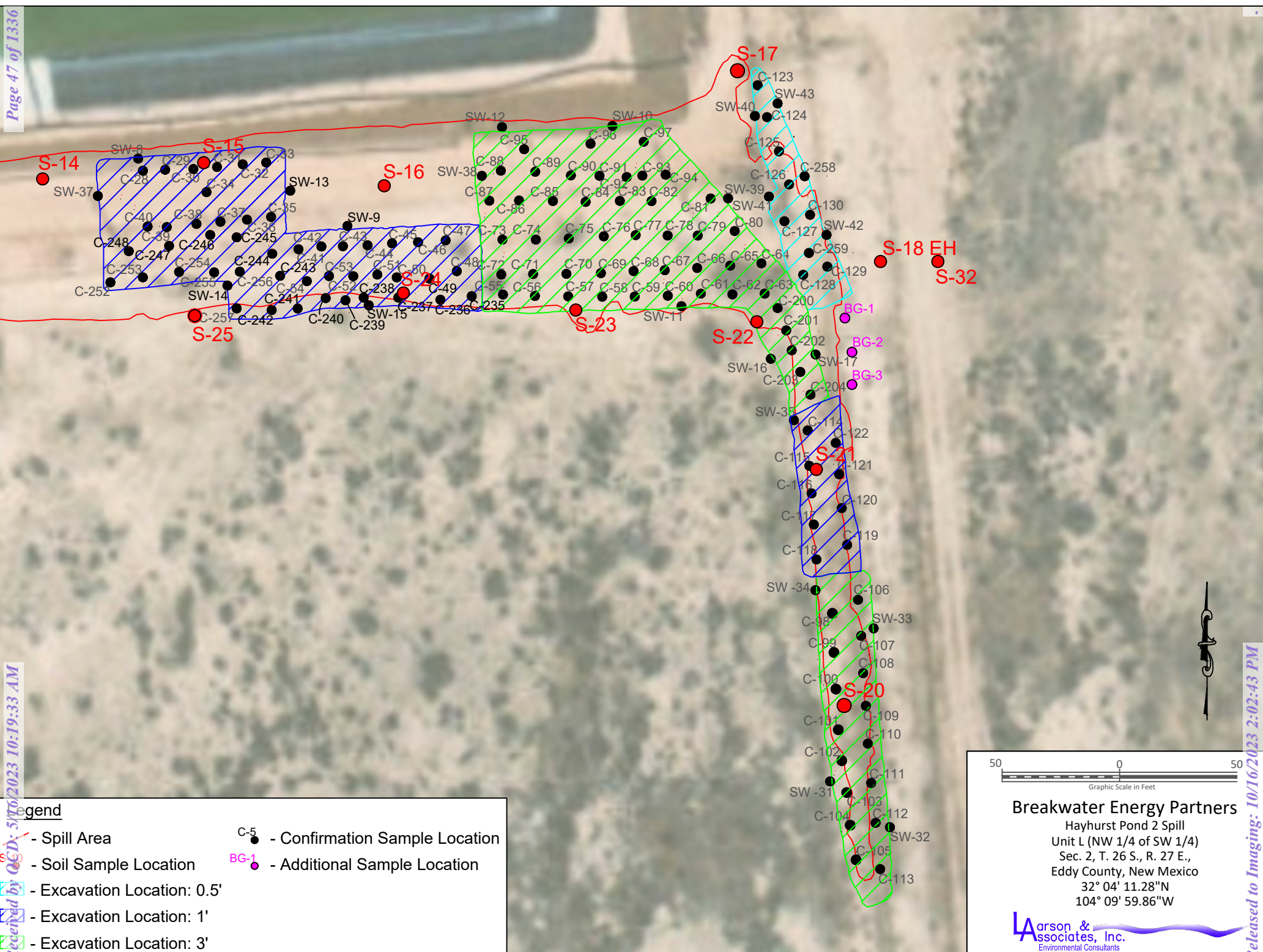


Figure 6b - Focused Aerial Map Showing Eastern Excavation Locations and Confirmation Samples

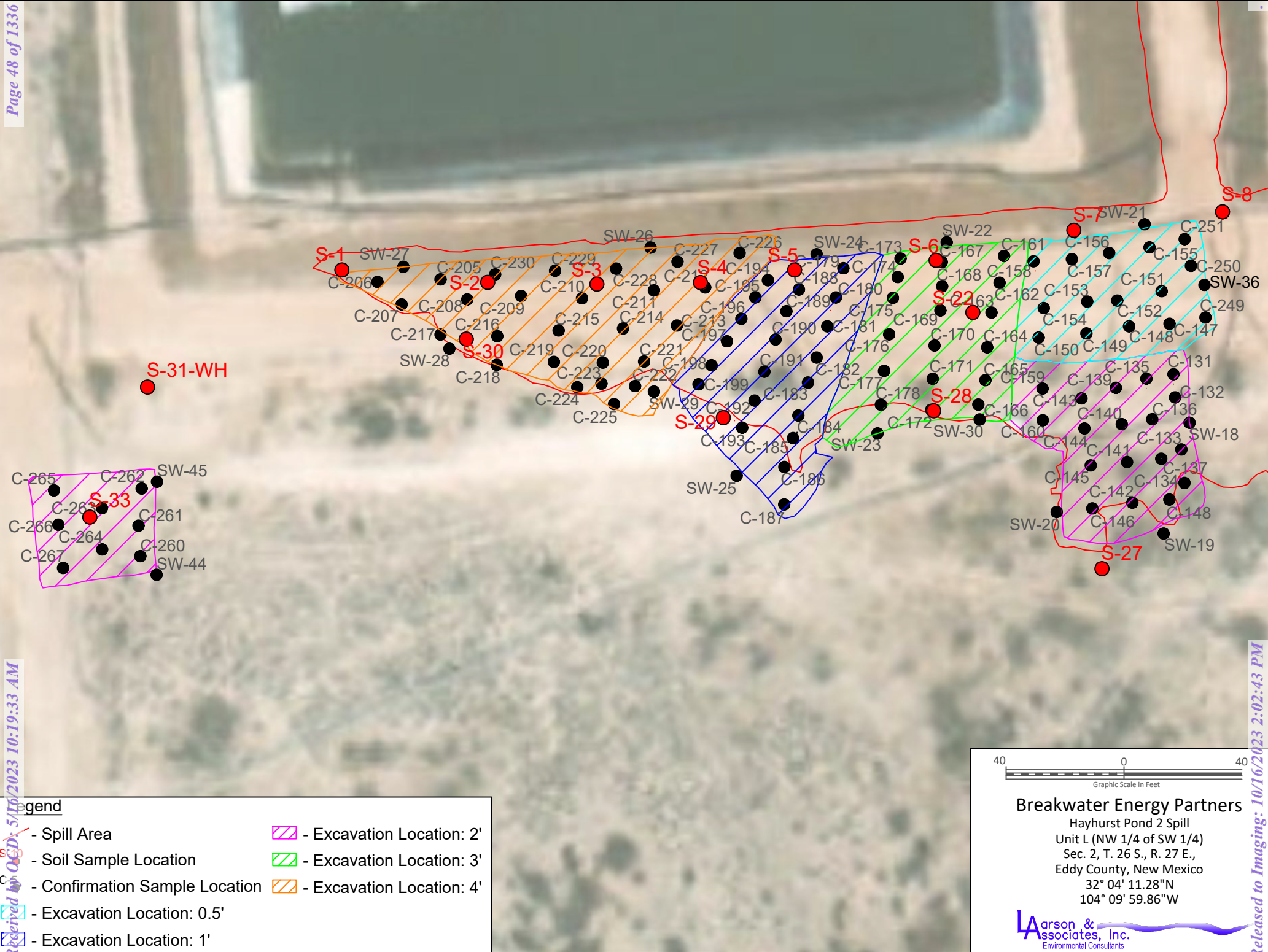
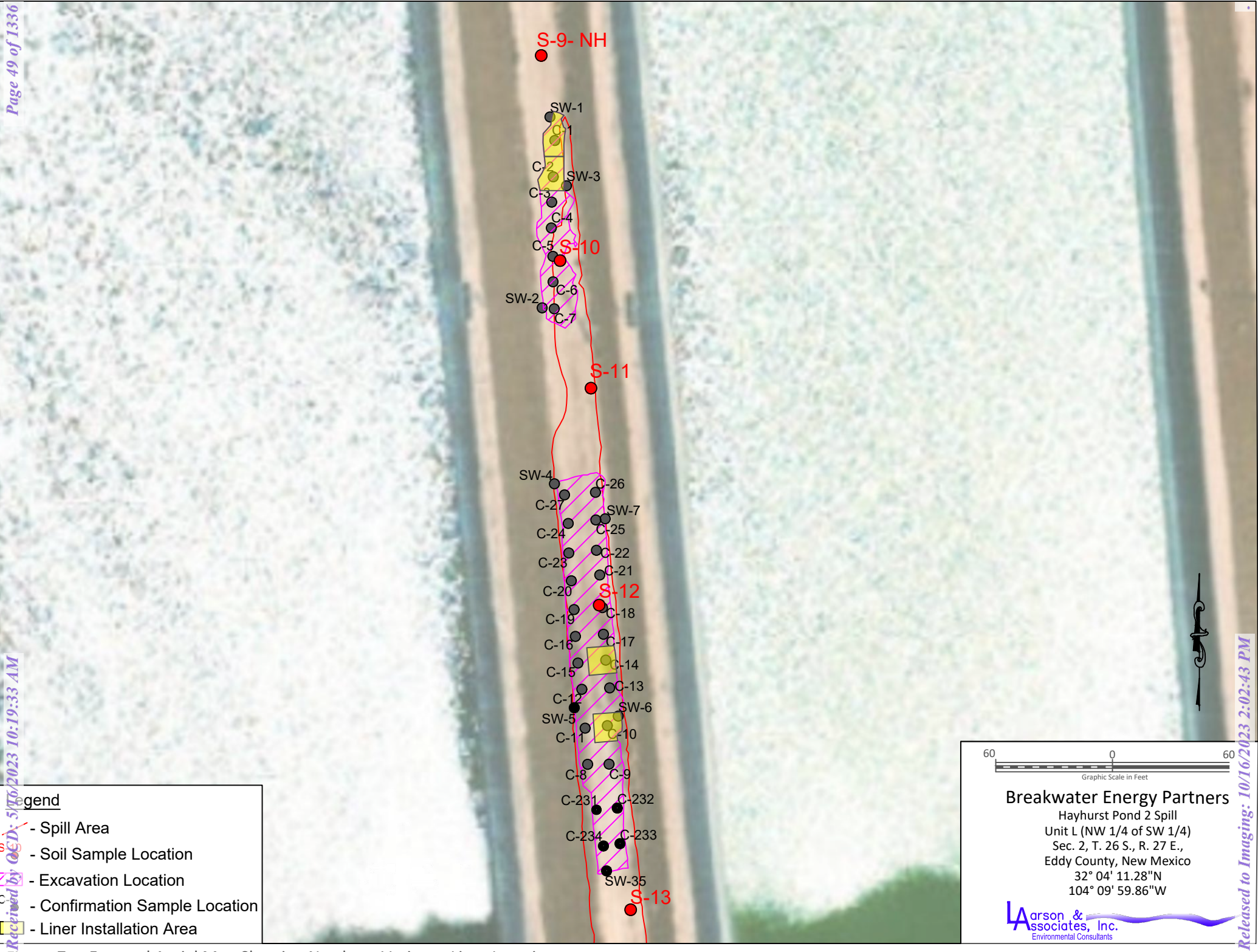


Figure 6c - Focused Aerial Map Showing Western Excavation Locations and Confirmation Samples



Legend

- Spill Area
- Soil Sample Location
- Excavation Location
- Confirmation Sample Location
- Liner Installation Area

60 0 60
Graphic Scale in Feet

Breakwater Energy Partners
Hayhurst Pond 2 Spill
Unit L (NW 1/4 of SW 1/4)
Sec. 2, T. 26 S., R. 27 E.,
Eddy County, New Mexico
32° 04' 11.28"N
104° 09' 59.86"W

Larson & Associates, Inc.
Environmental Consultants

Figure 7a - Focused Aerial Map Showing Northern Variance Liner Locations

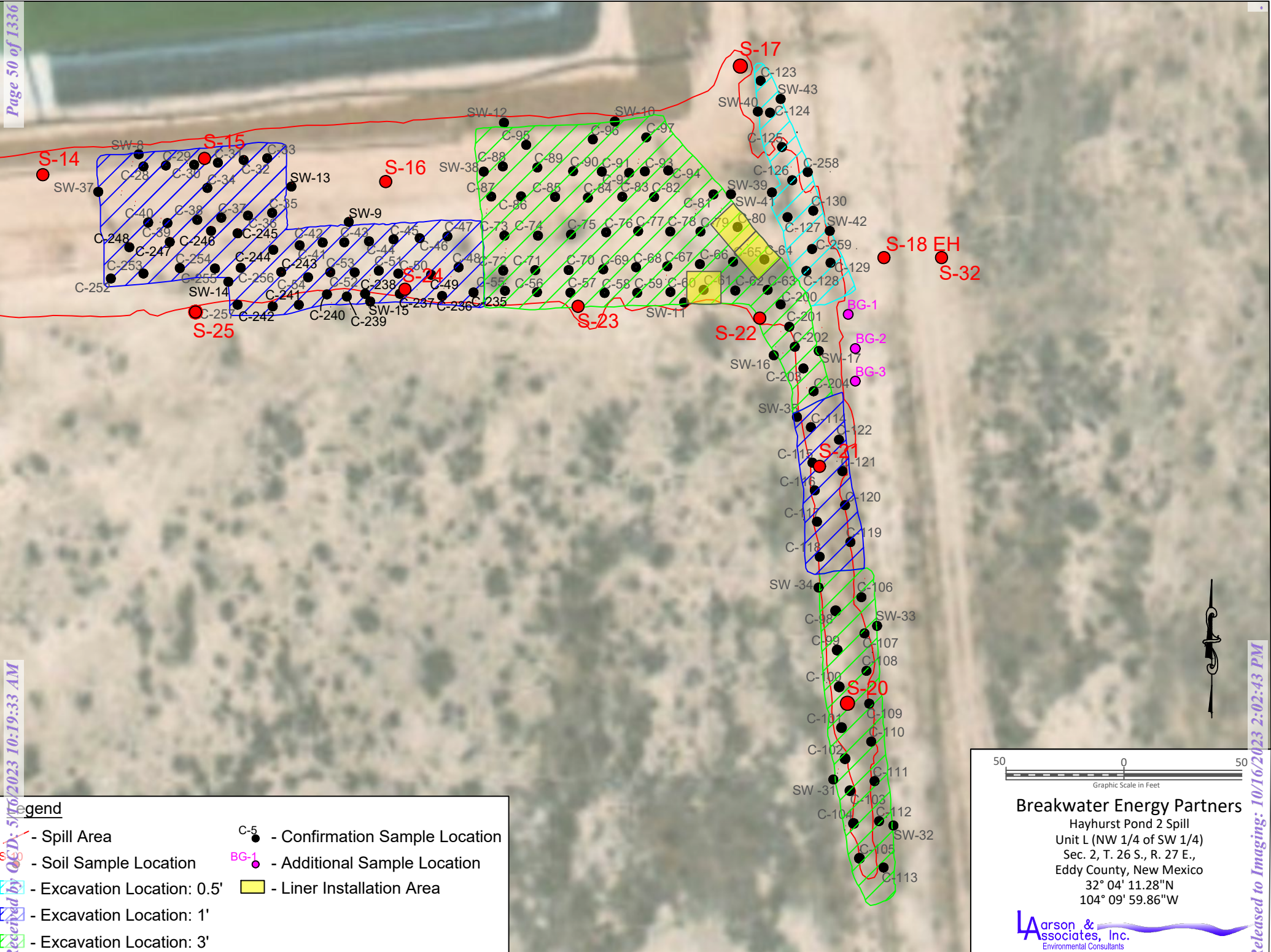


Figure 7b - Focused Aerial Map Showing Eastern Variance Liner Locations

Breakwater Energy Partners
Hayhurst Pond 2 Spill
Unit L (NW 1/4 of SW 1/4)
Sec. 2, T. 26 S., R. 27 E.,
Eddy County, New Mexico
32° 04' 11.28"N
104° 09' 59.86"W

Larson & Associates, Inc.
Environmental Consultants

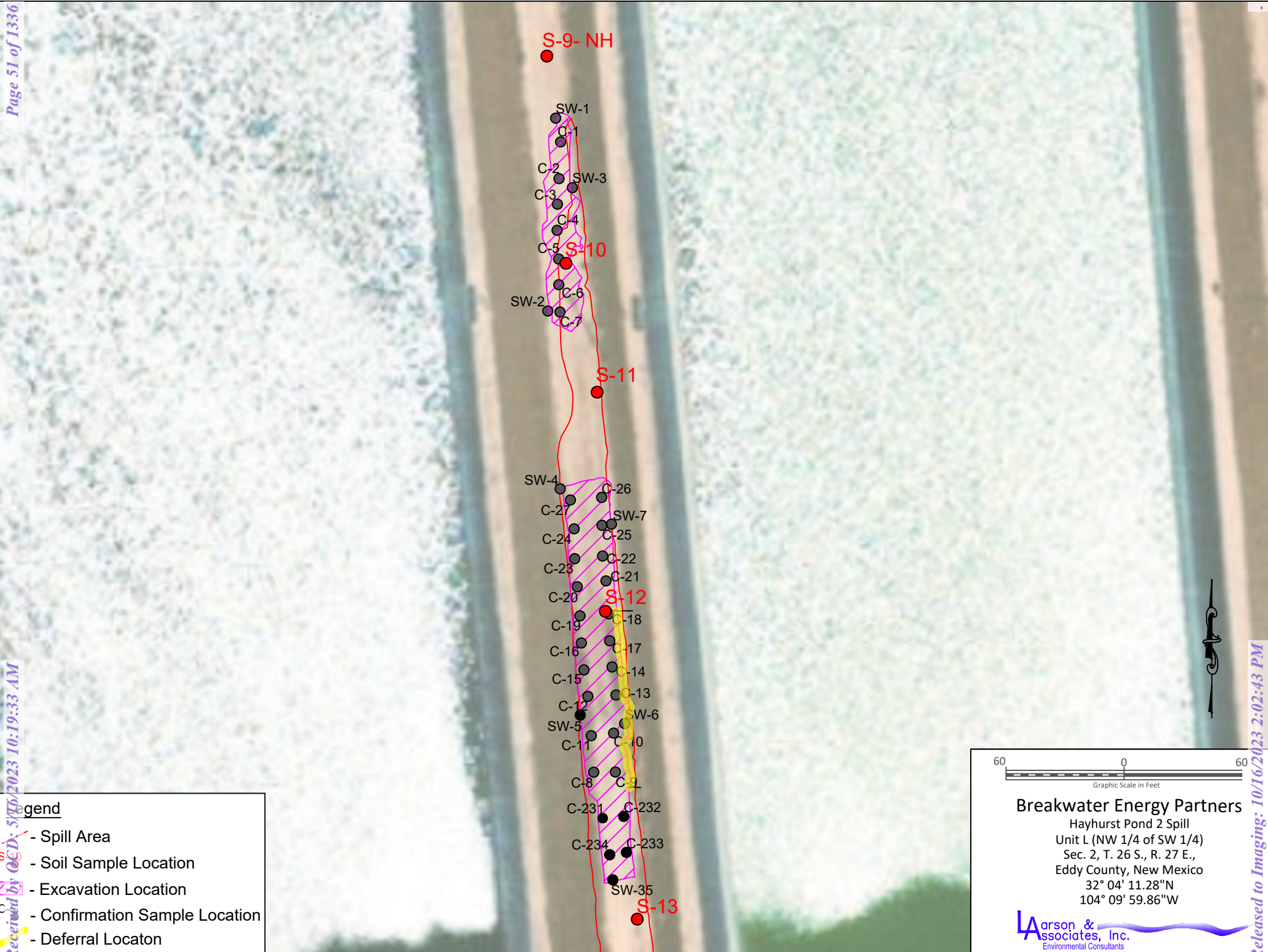


Figure 8a - Focused Aerial Map Showing Northern Deferral Locations



Figure 7b - Focused Aerial Map Showing Eastern Deferral Locations

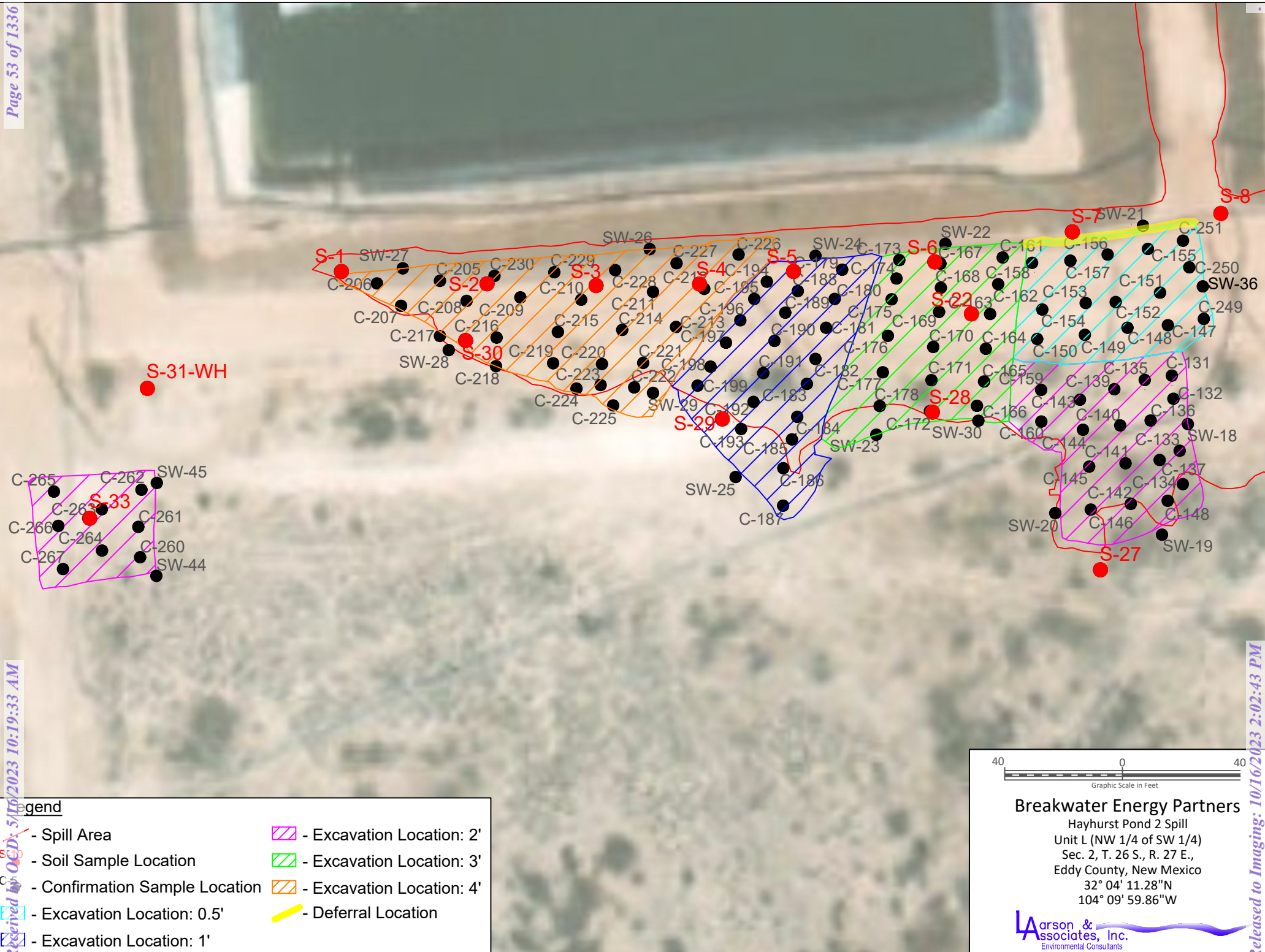


Figure 8c - Focused Aerial Map Showing Western Deferral Locations

Appendix A

Chevron Spill Calculation and Spill Map

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	nAPP2202551635
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.069889 _____ Longitude -104.166858 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: HHNM Section 2 RWCS Frac Pond	Site Type: Recycled Produced Water
Date Release Discovered: 1-23-22	API# (if applicable)

Unit Letter	Section	Township	Range	County
L	2	26S	27E	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) 150	Volume Recovered (bbls) 70
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

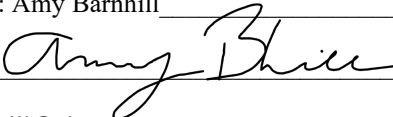
Cause of Release: Third party contractor set up a pond-to-pond transfer in preparation for a frac job. The line going into the pond was not secured properly, such that it came loose and worked its way out of the pond

Incident ID	nAPP2202551635
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? 150 bbls recycled produced water released
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email notice to Mike Bratcher sent by Amy Barnhill on 1-25-22.	

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Amy Barnhill	Title: Water Specialist
Signature: 	Date: 1-25-2022
email: ABarnhill@chevron.com	Telephone: 432-687-7108
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	nAPP2202551635
District RP	
Facility ID	
Application ID	

Spill Calculations: Spill was estimated by known volume being transferred.



Appendix B
Karst Risk Potential



Medium

HHNM Section 2 RWCS Frac Pond

High

Appendix C
Soil Boring Log

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 11:30 Finish: 12:30 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS		
					PPM X <u>1</u>										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING	
					2	4	6	8	10	12	14	16	18							
Depth to Water: 25.25	0	Silty Sand, 7.5YR 8/2, Pinkish White, Rounded, Fine Grained, Poorly Sorted, Subangular, 0.5-2cm Clast Inclusions	ML																	
	5	Caliche, 7.5YR 8/1, White, Rounded, Poorly Sorted, Medium Grained, Subangular, 0.5-1cm Diameter Clast Inclusions	Caliche																	
	10																			
	15	Silty Sand, 7.5YR 6/6, Reddish Yellow, Rounded, Fine Grained, Poorly Sorted, Subangular, 0.5-1cm Diameter Clast Inclusions	ML																	
	20	7.5YR 6/8, Reddish Yellow, Subangular, 0.5-2.5cm Diameter Clast Inclusions	ML																	
	25	Quartz Sand, 2.5YR 8/2, Pinkish White, Fine Grained, Rounded, Poorly Sorted, Subangular, 0.5-2cm Diameter Clast Inclusions	SM																	
	30																			
	35																			
	40	Quartz Sand, Very Fine Grained, Well Rounded, Poorly Sorted, 7.5YR 8/1, White, Subangular Clast Inclusions, 0.5-1.5cm Diameter	SM																	
	45																			
50																				

☐

 ONE CONTINUOUS AUGER SAMPLER

☐

 STANDARD PENETRATION TEST

☐

 UNDISTURBED SAMPLE

☐

 WATER TABLE (24 HRS)

WATER TABLE (TIME OF BORING)

☐

 LABORATORY TEST LOCATION

☐

 PENETROMETER (TONS/ SQ. FT)

☐

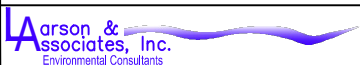
 NO RECOVERY

JOB NUMBER : Chevron/ 20-0107-03
HOLE DIAMETER : 2"
LOCATION : Skeen 2H 32.0785639°, -104.1631833°
LAI GEOLOGIST : R. Nelson
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

DRILL DATE : 04-29-2020
BORING NUMBER : BH-1

BORING RECORD

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

☐ ONE CONTINUOUS AUGER SAMPLER	☐ WATER TABLE (TIME OF BORING)	JOB NUMBER : <u>Chevron/ 20-0107-03</u>
☐ STANDARD PENETRATION TEST	☐ LABORATORY TEST LOCATION	HOLE DIAMETER : <u>2"</u>
☐ UNDISTURBED SAMPLE	☐ PENETROMETER (TONS/ SQ. FT)	LOCATION : <u>32.0785639°, -104.1631833°</u>
☐ WATER TABLE (24 HRS)	☐ NR NO RECOVERY	LAI GEOLOGIST : <u>R. Nelson</u>
		DRILLING CONTRACTOR : <u>SDI</u>
DRILL DATE : <u>04-29-2020</u>		DRILLING METHOD : <u>Air Rotary</u>
BORING NUMBER : <u>BH-1</u>		

Appendix D
NMOCD Communications

Robert Nelson

From: Robert Nelson
Sent: Wednesday, April 12, 2023 10:04 AM
To: Hamlet, Robert, EMNRD; Nobui, Jennifer, EMNRD
Cc: Halie Butler; Matthew Weiskopf; Mark Larson
Subject: HHNM Section 2 RWCS Frac Pond (nAPP2202551635) Excavation Backfill Notice
Attachments: Figure 3b - Focused Aerial Map Showing Eastern Excavation Locations and Confirmation Samples.pdf; Figure 3b - Focused Aerial Map Showing Western Excavation Locations and Confirmation Samples.pdf; Figure 3a - Focused Aerial Map Showing Northern Excavation Locations and Confirmation Samples Further Excavations.pdf; Table 2 Confirmation Soil Sample Analytical Data Summary.pdf

Hello Mr. Hamlet and Ms. Nobui,

Larson & Associates, Inc. (LAI), on behalf of Select Energy Services, 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 portions of the excavation (Western and Eastern Areas) at the HHNM Section 2 RWCS Frac Pond (nAPP2202551635) in Eddy County, New Mexico. Please feel free to contact Halie Butler with Select at HButler@selectenergy.com, Mark Larson at (432)687-0901 or mark@laenvironmental.com, or me with any questions or concerns.

Thank you,

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



Appendix E
Laboratory Reports

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



Analytical Report

Prepared for:

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Location: New Mexico
Lab Order Number: 2C21005



Current Certification

Report Date: 03/28/22

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-20 @ 1'	2C21005-01	Soil	03/16/22 11:20	03-21-2022 14:56
S-20 @ 3'	2C21005-02	Soil	03/16/22 11:21	03-21-2022 14:56
S-20 @ 5'	2C21005-03	Soil	03/16/22 11:22	03-21-2022 14:56
S-20 @ 6'	2C21005-04	Soil	03/16/22 11:23	03-21-2022 14:56
S-22 @ 1'	2C21005-05	Soil	03/16/22 11:50	03-21-2022 14:56
S-22 @ 3'	2C21005-06	Soil	03/16/22 11:51	03-21-2022 14:56
S-22 @ 5'	2C21005-07	Soil	03/16/22 11:52	03-21-2022 14:56
S-22 @ 10'	2C21005-08	Soil	03/16/22 11:53	03-21-2022 14:56
S-23 @ 1'	2C21005-09	Soil	03/16/22 12:15	03-21-2022 14:56
S-23 @ 3'	2C21005-10	Soil	03/16/22 12:16	03-21-2022 14:56
S-23 @ 5'	2C21005-11	Soil	03/16/22 12:17	03-21-2022 14:56
S-23 @ 10'	2C21005-12	Soil	03/16/22 12:18	03-21-2022 14:56
S-18 @ 2'	2C21005-13	Soil	03/16/22 12:35	03-21-2022 14:56
S-18 @ 3'	2C21005-14	Soil	03/16/22 12:36	03-21-2022 14:56
S-18 @ 4'	2C21005-15	Soil	03/16/22 12:37	03-21-2022 14:56
S-32 @ 1'	2C21005-16	Soil	03/16/22 13:00	03-21-2022 14:56
S-32 @ 3'	2C21005-17	Soil	03/16/22 13:01	03-21-2022 14:56
S-28 @ 1'	2C21005-18	Soil	03/16/22 13:45	03-21-2022 14:56
S-28 @ 3'	2C21005-19	Soil	03/16/22 13:46	03-21-2022 14:56
S-28 @ 5'	2C21005-20	Soil	03/16/22 13:47	03-21-2022 14:56
S-28 @ 10'	2C21005-21	Soil	03/16/22 13:48	03-21-2022 14:56
S-27 @ 1'	2C21005-22	Soil	03/16/22 14:20	03-21-2022 14:56
S-27 @ 3'	2C21005-23	Soil	03/16/22 14:21	03-21-2022 14:56
S-27 @ 5'	2C21005-24	Soil	03/16/22 14:22	03-21-2022 14:56
S-3 @ 5'	2C21005-25	Soil	03/16/22 15:02	03-21-2022 14:56
S-3 @ 1'	2C21005-26	Soil	03/16/22 15:00	03-21-2022 14:56
S-3 @ 3'	2C21005-27	Soil	03/16/22 15:01	03-21-2022 14:56
S-3 @ 7'	2C21005-28	Soil	03/16/22 15:02	03-21-2022 14:56
S-30 @ 1'	2C21005-29	Soil	03/16/22 15:30	03-21-2022 14:56
S-30 @ 3'	2C21005-30	Soil	03/16/22 15:31	03-21-2022 14:56
S-30 @ 5'	2C21005-31	Soil	03/16/22 15:32	03-21-2022 14:56
S-33 @ 1'	2C21005-32	Soil	03/16/22 15:45	03-21-2022 14:56
S-33 @ 3'	2C21005-33	Soil	03/16/22 15:46	03-21-2022 14:56
S-33 @ 5'	2C21005-34	Soil	03/16/22 15:47	03-21-2022 14:56

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-31 @ 2'	2C21005-35	Soil	03/17/22 08:30	03-21-2022 14:56
S-31 @ 3'	2C21005-36	Soil	03/17/22 08:31	03-21-2022 14:56
S-31 @ 5'	2C21005-37	Soil	03/17/22 08:32	03-21-2022 14:56
S-12 @ 2'	2C21005-38	Soil	03/17/22 09:00	03-21-2022 14:56
S-12 @ 3'	2C21005-39	Soil	03/17/22 09:01	03-21-2022 14:56
S-12 @ 5'	2C21005-40	Soil	03/17/22 09:02	03-21-2022 14:56
S-10 @ 2'	2C21005-41	Soil	03/17/22 09:30	03-21-2022 14:56
S-10 @ 3'	2C21005-42	Soil	03/17/22 09:31	03-21-2022 14:56
S-10 @ 5'	2C21005-43	Soil	03/17/22 09:32	03-21-2022 14:56
S-17 @ 2'	2C21005-44	Soil	03/17/22 10:00	03-21-2022 14:56
S-17 @ 3'	2C21005-45	Soil	03/17/22 10:01	03-21-2022 14:56
S-17 @ 5'	2C21005-46	Soil	03/17/22 10:02	03-21-2022 14:56
S-1 @ 1'	2C21005-47	Soil	03/17/22 11:00	03-21-2022 14:56
S-1 @ 3'	2C21005-48	Soil	03/17/22 11:01	03-21-2022 14:56
S-1 @ 5'	2C21005-49	Soil	03/17/22 11:02	03-21-2022 14:56
S-2 @ 1'	2C21005-50	Soil	03/17/22 11:30	03-21-2022 14:56
S-2 @ 3'	2C21005-51	Soil	03/17/22 11:31	03-21-2022 14:56
S-2 @ 5'	2C21005-52	Soil	03/17/22 11:32	03-21-2022 14:56
S-2 @ 7'	2C21005-53	Soil	03/17/22 11:33	03-21-2022 14:56
S-4 @ 1'	2C21005-54	Soil	03/17/22 12:30	03-21-2022 14:56
S-4 @ 3'	2C21005-55	Soil	03/17/22 12:31	03-21-2022 14:56
S-4 @ 5'	2C21005-56	Soil	03/17/22 12:32	03-21-2022 14:56
S-4 @ 6'	2C21005-57	Soil	03/17/22 12:33	03-21-2022 14:56
S-6 @ 1'	2C21005-58	Soil	03/17/22 14:30	03-21-2022 14:56
S-6 @ 3'	2C21005-59	Soil	03/17/22 14:31	03-21-2022 14:56
S-6 @ 5'	2C21005-60	Soil	03/17/22 14:32	03-21-2022 14:56
S-6 @ 10'	2C21005-61	Soil	03/17/22 14:33	03-21-2022 14:56

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-20 @ 1'
2C21005-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 17:31	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 17:31	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 17:31	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 17:31	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 17:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2C2201	03/22/22 09:29	03/22/22 17:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P2C2201	03/22/22 09:29	03/22/22 17:31	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2610	5.32	mg/kg dry	5	P2C2210	03/22/22 14:52	03/23/22 01:55	EPA 300.0	
% Moisture	6.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 02:39	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 02:39	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 02:39	TPH 8015M	
Surrogate: 1-Chlorooctane	93.4 %		70-130		P2C2211	03/22/22 15:45	03/24/22 02:39	TPH 8015M	
Surrogate: o-Terphenyl	106 %		70-130		P2C2211	03/22/22 15:45	03/24/22 02:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/22/22 15:45	03/24/22 02:39	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-20 @ 3'
2C21005-02 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 17:52	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 17:52	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 17:52	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 17:52	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 17:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2201	03/22/22 09:29	03/22/22 17:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.9 %		80-120		P2C2201	03/22/22 09:29	03/22/22 17:52	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	477	1.09	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 02:10	EPA 300.0	
% Moisture	8.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 03:01	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 03:01	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 03:01	TPH 8015M	
Surrogate: 1-Chlorooctane	92.0 %		70-130		P2C2211	03/22/22 15:45	03/24/22 03:01	TPH 8015M	
Surrogate: o-Terphenyl	102 %		70-130		P2C2211	03/22/22 15:45	03/24/22 03:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	03/22/22 15:45	03/24/22 03:01	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-20 @ 5'
2C21005-03 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:13	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:13	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:13	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:13	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2201	03/22/22 09:29	03/22/22 18:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2C2201	03/22/22 09:29	03/22/22 18:13	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	86.4	1.09	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 11:58	EPA 300.0	
% Moisture	8.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 03:22	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 03:22	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 03:22	TPH 8015M	
Surrogate: 1-Chlorooctane	90.9 %		70-130		P2C2211	03/22/22 15:45	03/24/22 03:22	TPH 8015M	
Surrogate: o-Terphenyl	98.8 %		70-130		P2C2211	03/22/22 15:45	03/24/22 03:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	03/22/22 15:45	03/24/22 03:22	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-20 @ 6'
2C21005-04 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:34	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:34	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:34	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:34	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P2C2201	03/22/22 09:29	03/22/22 18:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P2C2201	03/22/22 09:29	03/22/22 18:34	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	18.4	1.09	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 12:13	EPA 300.0	
% Moisture	8.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 03:43	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 03:43	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2C2211	03/22/22 15:45	03/24/22 03:43	TPH 8015M	
Surrogate: 1-Chlorooctane	83.6 %		70-130		P2C2211	03/22/22 15:45	03/24/22 03:43	TPH 8015M	
Surrogate: o-Terphenyl	93.7 %		70-130		P2C2211	03/22/22 15:45	03/24/22 03:43	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	03/22/22 15:45	03/24/22 03:43	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-22 @ 1'
2C21005-05 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:55	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:55	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:55	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:55	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 18:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P2C2201	03/22/22 09:29	03/22/22 18:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2201	03/22/22 09:29	03/22/22 18:55	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4230	5.32	mg/kg dry	5	P2C2210	03/22/22 14:52	03/23/22 02:56	EPA 300.0	
% Moisture	6.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 22:33	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 22:33	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 22:33	TPH 8015M	
Surrogate: 1-Chlorooctane	91.5 %		70-130		P2C2309	03/23/22 13:00	03/23/22 22:33	TPH 8015M	
Surrogate: o-Terphenyl	99.5 %		70-130		P2C2309	03/23/22 13:00	03/23/22 22:33	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/23/22 13:00	03/23/22 22:33	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-22 @ 3'
2C21005-06 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:16	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:16	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:16	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:16	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P2C2201	03/22/22 09:29	03/22/22 19:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P2C2201	03/22/22 09:29	03/22/22 19:16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	571	11.1	mg/kg dry	10	P2C2210	03/22/22 14:52	03/23/22 03:42	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 22:55	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 22:55	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 22:55	TPH 8015M	
Surrogate: 1-Chlorooctane	93.6 %		70-130		P2C2309	03/23/22 13:00	03/23/22 22:55	TPH 8015M	
Surrogate: o-Terphenyl	98.2 %		70-130		P2C2309	03/23/22 13:00	03/23/22 22:55	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 13:00	03/23/22 22:55	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-22 @ 5'
2C21005-07 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:37	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:37	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:37	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:37	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.3 %		80-120		P2C2201	03/22/22 09:29	03/22/22 19:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.0 %		80-120		P2C2201	03/22/22 09:29	03/22/22 19:37	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	547	1.10	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 09:25	EPA 300.0	
% Moisture	9.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 23:17	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 23:17	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 23:17	TPH 8015M	
Surrogate: 1-Chlorooctane	92.1 %		70-130		P2C2309	03/23/22 13:00	03/23/22 23:17	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P2C2309	03/23/22 13:00	03/23/22 23:17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	03/23/22 13:00	03/23/22 23:17	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-22 @ 10'
2C21005-08 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:58	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:58	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:58	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:58	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2201	03/22/22 09:29	03/22/22 19:58	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.7 %		80-120		P2C2201	03/22/22 09:29	03/22/22 19:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.2 %		80-120		P2C2201	03/22/22 09:29	03/22/22 19:58	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	66.7	1.11	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 09:40	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 23:39	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 23:39	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/23/22 23:39	TPH 8015M	
Surrogate: 1-Chlorooctane	93.9 %		70-130		P2C2309	03/23/22 13:00	03/23/22 23:39	TPH 8015M	
Surrogate: o-Terphenyl	102 %		70-130		P2C2309	03/23/22 13:00	03/23/22 23:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 13:00	03/23/22 23:39	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-23 @ 1'
2C21005-09 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 22:45	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 22:45	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 22:45	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 22:45	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 22:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.6 %		80-120		P2C2202	03/22/22 09:35	03/22/22 22:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P2C2202	03/22/22 09:35	03/22/22 22:45	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4930	10.8	mg/kg dry	10	P2C2210	03/22/22 14:52	03/23/22 22:40	EPA 300.0	
% Moisture	7.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 00:01	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 00:01	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 00:01	TPH 8015M	
Surrogate: 1-Chlorooctane	94.1 %		70-130		P2C2309	03/23/22 13:00	03/24/22 00:01	TPH 8015M	
Surrogate: o-Terphenyl	104 %		70-130		P2C2309	03/23/22 13:00	03/24/22 00:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 00:01	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-23 @ 3'
2C21005-10 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:06	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:06	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:06	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:06	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P2C2202	03/22/22 09:35	03/22/22 23:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.5 %		80-120		P2C2202	03/22/22 09:35	03/22/22 23:06	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	14.7	1.10	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 10:11	EPA 300.0	
% Moisture	9.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 00:22	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 00:22	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 00:22	TPH 8015M	
Surrogate: 1-Chlorooctane	91.5 %		70-130		P2C2309	03/23/22 13:00	03/24/22 00:22	TPH 8015M	
Surrogate: o-Terphenyl	93.4 %		70-130		P2C2309	03/23/22 13:00	03/24/22 00:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 00:22	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-23 @ 5'
2C21005-11 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:27	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:27	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:27	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:27	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2202	03/22/22 09:35	03/22/22 23:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P2C2202	03/22/22 09:35	03/22/22 23:27	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.08	1.14	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 10:26	EPA 300.0	
% Moisture	12.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 00:44	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 00:44	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 00:44	TPH 8015M	
Surrogate: 1-Chlorooctane	95.1 %		70-130		P2C2309	03/23/22 13:00	03/24/22 00:44	TPH 8015M	
Surrogate: o-Terphenyl	103 %		70-130		P2C2309	03/23/22 13:00	03/24/22 00:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 00:44	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-23 @ 10'
2C21005-12 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00115	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:48	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:48	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:48	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:48	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P2C2202	03/22/22 09:35	03/22/22 23:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.3 %		80-120		P2C2202	03/22/22 09:35	03/22/22 23:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P2C2202	03/22/22 09:35	03/22/22 23:48	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.41	1.15	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 10:41	EPA 300.0	
% Moisture	13.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 01:06	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 01:06	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 01:06	TPH 8015M	
Surrogate: 1-Chlorooctane	90.3 %		70-130		P2C2309	03/23/22 13:00	03/24/22 01:06	TPH 8015M	
Surrogate: o-Terphenyl	96.8 %		70-130		P2C2309	03/23/22 13:00	03/24/22 01:06	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 01:06	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-18 @ 2'
2C21005-13 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:09	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:09	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:09	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:09	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.6 %		80-120		P2C2202	03/22/22 09:35	03/23/22 00:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P2C2202	03/22/22 09:35	03/23/22 00:09	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	25.8	1.11	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 10:57	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 01:28	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 01:28	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 01:28	TPH 8015M	
Surrogate: 1-Chlorooctane	89.7 %		70-130		P2C2309	03/23/22 13:00	03/24/22 01:28	TPH 8015M	
Surrogate: o-Terphenyl	87.3 %		70-130		P2C2309	03/23/22 13:00	03/24/22 01:28	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 01:28	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-18 @ 3'
2C21005-14 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:30	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:30	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:30	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:30	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2202	03/22/22 09:35	03/23/22 00:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P2C2202	03/22/22 09:35	03/23/22 00:30	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.28	1.14	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 11:12	EPA 300.0	
% Moisture	12.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 01:50	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 01:50	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 01:50	TPH 8015M	
Surrogate: 1-Chlorooctane	88.2 %		70-130		P2C2309	03/23/22 13:00	03/24/22 01:50	TPH 8015M	
Surrogate: o-Terphenyl	97.4 %		70-130		P2C2309	03/23/22 13:00	03/24/22 01:50	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 01:50	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-18 @ 4'
2C21005-15 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:50	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:50	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:50	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:50	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 00:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2202	03/22/22 09:35	03/23/22 00:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2202	03/22/22 09:35	03/23/22 00:50	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4.79	1.12	mg/kg dry	1	P2C2210	03/22/22 14:52	03/23/22 11:27	EPA 300.0	
% Moisture	11.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 02:56	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 02:56	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 02:56	TPH 8015M	
Surrogate: 1-Chlorooctane	89.2 %		70-130		P2C2309	03/23/22 13:00	03/24/22 02:56	TPH 8015M	
Surrogate: o-Terphenyl	98.6 %		70-130		P2C2309	03/23/22 13:00	03/24/22 02:56	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 02:56	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-32 @ 1'
2C21005-16 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:11	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:11	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:11	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:11	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2202	03/22/22 09:35	03/23/22 01:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.5 %		80-120		P2C2202	03/22/22 09:35	03/23/22 01:11	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11.9	1.03	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 15:17	EPA 300.0	
% Moisture	3.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 03:17	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 03:17	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 03:17	TPH 8015M	
Surrogate: 1-Chlorooctane	93.4 %		70-130		P2C2309	03/23/22 13:00	03/24/22 03:17	TPH 8015M	
Surrogate: o-Terphenyl	98.7 %		70-130		P2C2309	03/23/22 13:00	03/24/22 03:17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 03:17	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-32 @ 3'
2C21005-17 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:32	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:32	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:32	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:32	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2202	03/22/22 09:35	03/23/22 01:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2202	03/22/22 09:35	03/23/22 01:32	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4.21	1.12	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 16:34	EPA 300.0	
% Moisture	11.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 03:39	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 03:39	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 03:39	TPH 8015M	
Surrogate: 1-Chlorooctane	90.2 %		70-130		P2C2309	03/23/22 13:00	03/24/22 03:39	TPH 8015M	
Surrogate: o-Terphenyl	97.2 %		70-130		P2C2309	03/23/22 13:00	03/24/22 03:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 03:39	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-28 @ 1'
2C21005-18 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:53	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:53	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:53	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:53	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 01:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P2C2202	03/22/22 09:35	03/23/22 01:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2202	03/22/22 09:35	03/23/22 01:53	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2340	5.32	mg/kg dry	5	P2C2212	03/22/22 16:11	03/24/22 10:37	EPA 300.0	
% Moisture	6.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 04:01	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 04:01	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 04:01	TPH 8015M	
Surrogate: 1-Chlorooctane	94.6 %		70-130		P2C2309	03/23/22 13:00	03/24/22 04:01	TPH 8015M	
Surrogate: o-Terphenyl	99.9 %		70-130		P2C2309	03/23/22 13:00	03/24/22 04:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 04:01	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-28 @ 3'
2C21005-19 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:07	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:07	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:07	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:07	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.0 %		80-120		P2C2202	03/22/22 09:35	03/23/22 08:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2202	03/22/22 09:35	03/23/22 08:07	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	437	1.08	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 17:04	EPA 300.0	
% Moisture	7.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 04:23	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 04:23	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 04:23	TPH 8015M	
Surrogate: 1-Chlorooctane	93.9 %		70-130		P2C2309	03/23/22 13:00	03/24/22 04:23	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P2C2309	03/23/22 13:00	03/24/22 04:23	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 04:23	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-28 @ 5'
2C21005-20 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:28	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:28	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:28	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:28	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2202	03/22/22 09:35	03/23/22 08:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.5 %		80-120		P2C2202	03/22/22 09:35	03/23/22 08:28	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	664	1.09	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 17:20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 04:45	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 04:45	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 04:45	TPH 8015M	
Surrogate: 1-Chlorooctane	92.7 %		70-130		P2C2309	03/23/22 13:00	03/24/22 04:45	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P2C2309	03/23/22 13:00	03/24/22 04:45	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 04:45	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-28 @ 10'
2C21005-21 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:49	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:49	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:49	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:49	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 08:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2202	03/22/22 09:35	03/23/22 08:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.5 %		80-120		P2C2202	03/22/22 09:35	03/23/22 08:49	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	608	1.11	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 17:35	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 05:07	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 05:07	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 05:07	TPH 8015M	
Surrogate: 1-Chlorooctane	86.3 %		70-130		P2C2309	03/23/22 13:00	03/24/22 05:07	TPH 8015M	
Surrogate: o-Terphenyl	89.8 %		70-130		P2C2309	03/23/22 13:00	03/24/22 05:07	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 05:07	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-27 @ 1'
2C21005-22 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:09	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:09	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:09	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:09	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.9 %		80-120		P2C2202	03/22/22 09:35	03/23/22 09:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2202	03/22/22 09:35	03/23/22 09:09	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	745	1.04	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 17:50	EPA 300.0	
% Moisture	4.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 05:29	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 05:29	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 05:29	TPH 8015M	
Surrogate: 1-Chlorooctane	86.3 %		70-130		P2C2309	03/23/22 13:00	03/24/22 05:29	TPH 8015M	
Surrogate: o-Terphenyl	80.6 %		70-130		P2C2309	03/23/22 13:00	03/24/22 05:29	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 05:29	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-27 @ 3'
2C21005-23 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:30	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:30	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:30	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:30	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2202	03/22/22 09:35	03/23/22 09:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P2C2202	03/22/22 09:35	03/23/22 09:30	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.30	1.06	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 18:06	EPA 300.0	
% Moisture	6.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 05:50	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 05:50	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 05:50	TPH 8015M	
Surrogate: 1-Chlorooctane	81.4 %		70-130		P2C2309	03/23/22 13:00	03/24/22 05:50	TPH 8015M	
Surrogate: o-Terphenyl	81.4 %		70-130		P2C2309	03/23/22 13:00	03/24/22 05:50	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 05:50	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-27 @ 5'
2C21005-24 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:51	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:51	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:51	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:51	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 09:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2202	03/22/22 09:35	03/23/22 09:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2202	03/22/22 09:35	03/23/22 09:51	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	24.2	1.06	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 18:21	EPA 300.0	
% Moisture	6.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 06:12	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 06:12	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2C2309	03/23/22 13:00	03/24/22 06:12	TPH 8015M	
Surrogate: 1-Chlorooctane	89.3 %		70-130		P2C2309	03/23/22 13:00	03/24/22 06:12	TPH 8015M	
Surrogate: o-Terphenyl	89.3 %		70-130		P2C2309	03/23/22 13:00	03/24/22 06:12	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/23/22 13:00	03/24/22 06:12	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-3 @ 5'
2C21005-25 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:13	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:13	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:13	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:13	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2202	03/22/22 09:35	03/23/22 10:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2202	03/22/22 09:35	03/23/22 10:13	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.10	1.16	mg/kg dry	1	P2C2312	03/23/22 15:56	03/24/22 01:13	EPA 300.0	
% Moisture	14.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P2C2405	03/24/22 10:00	03/25/22 04:10	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P2C2405	03/24/22 10:00	03/25/22 04:10	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P2C2405	03/24/22 10:00	03/25/22 04:10	TPH 8015M	
Surrogate: 1-Chlorooctane	96.7 %		70-130		P2C2405	03/24/22 10:00	03/25/22 04:10	TPH 8015M	
Surrogate: o-Terphenyl	102 %		70-130		P2C2405	03/24/22 10:00	03/25/22 04:10	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/24/22 10:00	03/25/22 04:10	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-3 @ 1'
2C21005-26 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:34	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:34	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:34	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:34	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2202	03/22/22 09:35	03/23/22 10:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2202	03/22/22 09:35	03/23/22 10:34	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1770	11.1	mg/kg dry	10	P2C2212	03/22/22 16:11	03/24/22 10:52	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 14:40	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 14:40	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 14:40	TPH 8015M	
Surrogate: 1-Chlorooctane	87.7 %		70-130		P2C2310	03/23/22 14:00	03/24/22 14:40	TPH 8015M	
Surrogate: o-Terphenyl	98.0 %		70-130		P2C2310	03/23/22 14:00	03/24/22 14:40	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 14:40	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-3 @ 3'
2C21005-27 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00115	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:55	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:55	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:55	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:55	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 10:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2202	03/22/22 09:35	03/23/22 10:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2C2202	03/22/22 09:35	03/23/22 10:55	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11.1	1.15	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 19:22	EPA 300.0	
% Moisture	13.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 15:01	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 15:01	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 15:01	TPH 8015M	
Surrogate: 1-Chlorooctane	84.4 %		70-130		P2C2310	03/23/22 14:00	03/24/22 15:01	TPH 8015M	
Surrogate: o-Terphenyl	89.2 %		70-130		P2C2310	03/23/22 14:00	03/24/22 15:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 15:01	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-3 @ 7'
2C21005-28 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 11:24	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 11:24	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 11:24	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 11:24	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P2C2202	03/22/22 09:35	03/23/22 11:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2C2202	03/22/22 09:35	03/23/22 11:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2202	03/22/22 09:35	03/23/22 11:24	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.4	1.16	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 20:08	EPA 300.0	
% Moisture	14.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 15:23	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 15:23	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 15:23	TPH 8015M	
Surrogate: 1-Chlorooctane	85.6 %		70-130		P2C2310	03/23/22 14:00	03/24/22 15:23	TPH 8015M	
Surrogate: o-Terphenyl	94.4 %		70-130		P2C2310	03/23/22 14:00	03/24/22 15:23	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 15:23	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-30 @ 1'
2C21005-29 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 16:20	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 16:20	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 16:20	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 16:20	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 16:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %		80-120		P2C2305	03/23/22 11:36	03/23/22 16:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P2C2305	03/23/22 11:36	03/23/22 16:20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	649	1.14	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 20:23	EPA 300.0	
% Moisture	12.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 15:45	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 15:45	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 15:45	TPH 8015M	
Surrogate: 1-Chlorooctane	76.8 %		70-130		P2C2310	03/23/22 14:00	03/24/22 15:45	TPH 8015M	
Surrogate: o-Terphenyl	77.6 %		70-130		P2C2310	03/23/22 14:00	03/24/22 15:45	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 15:45	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-30 @ 3'
2C21005-30 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 16:41	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 16:41	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 16:41	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 16:41	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 16:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P2C2305	03/23/22 11:36	03/23/22 16:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P2C2305	03/23/22 11:36	03/23/22 16:41	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	116	1.16	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 20:38	EPA 300.0	
% Moisture	14.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 16:07	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 16:07	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 16:07	TPH 8015M	
Surrogate: 1-Chlorooctane	84.3 %		70-130		P2C2310	03/23/22 14:00	03/24/22 16:07	TPH 8015M	
Surrogate: o-Terphenyl	91.4 %		70-130		P2C2310	03/23/22 14:00	03/24/22 16:07	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 16:07	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-30 @ 5'
2C21005-31 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00115	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:02	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:02	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:02	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:02	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P2C2305	03/23/22 11:36	03/23/22 17:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P2C2305	03/23/22 11:36	03/23/22 17:02	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	374	1.15	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 20:54	EPA 300.0	
% Moisture	13.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 16:28	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 16:28	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 16:28	TPH 8015M	
Surrogate: 1-Chlorooctane	82.9 %		70-130		P2C2310	03/23/22 14:00	03/24/22 16:28	TPH 8015M	
Surrogate: o-Terphenyl	91.0 %		70-130		P2C2310	03/23/22 14:00	03/24/22 16:28	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 16:28	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-33 @ 1'
2C21005-32 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00115	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:23	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:23	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:23	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:23	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2C2305	03/23/22 11:36	03/23/22 17:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P2C2305	03/23/22 11:36	03/23/22 17:23	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2.86	1.15	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 21:09	EPA 300.0	
% Moisture	13.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P2C2310	03/23/22 14:00	03/25/22 22:22	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P2C2310	03/23/22 14:00	03/25/22 22:22	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P2C2310	03/23/22 14:00	03/25/22 22:22	TPH 8015M	
Surrogate: 1-Chlorooctane	68.9 %		70-130		P2C2310	03/23/22 14:00	03/25/22 22:22	TPH 8015M	S-GC
Surrogate: o-Terphenyl	72.7 %		70-130		P2C2310	03/23/22 14:00	03/25/22 22:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	03/23/22 14:00	03/25/22 22:22	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-33 @ 3'
2C21005-33 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:44	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:44	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:44	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:44	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 17:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P2C2305	03/23/22 11:36	03/23/22 17:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2305	03/23/22 11:36	03/23/22 17:44	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1.74	1.16	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 21:24	EPA 300.0	
% Moisture	14.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 17:12	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 17:12	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 17:12	TPH 8015M	
Surrogate: 1-Chlorooctane	86.5 %		70-130		P2C2310	03/23/22 14:00	03/24/22 17:12	TPH 8015M	
Surrogate: o-Terphenyl	94.6 %		70-130		P2C2310	03/23/22 14:00	03/24/22 17:12	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 17:12	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-33 @ 5'
2C21005-34 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 18:05	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 18:05	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 18:05	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 18:05	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 18:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P2C2305	03/23/22 11:36	03/23/22 18:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2305	03/23/22 11:36	03/23/22 18:05	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.33	1.16	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 21:40	EPA 300.0	
% Moisture	14.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 17:34	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 17:34	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 17:34	TPH 8015M	
Surrogate: 1-Chlorooctane	83.6 %		70-130		P2C2310	03/23/22 14:00	03/24/22 17:34	TPH 8015M	
Surrogate: o-Terphenyl	91.8 %		70-130		P2C2310	03/23/22 14:00	03/24/22 17:34	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 17:34	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-31 @ 2'
2C21005-35 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 18:26	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 18:26	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 18:26	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 18:26	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 18:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P2C2305	03/23/22 11:36	03/23/22 18:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2305	03/23/22 11:36	03/23/22 18:26	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	25.7	1.11	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 21:55	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 17:55	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 17:55	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 17:55	TPH 8015M	
Surrogate: 1-Chlorooctane	87.7 %		70-130		P2C2310	03/23/22 14:00	03/24/22 17:55	TPH 8015M	
Surrogate: o-Terphenyl	91.3 %		70-130		P2C2310	03/23/22 14:00	03/24/22 17:55	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 17:55	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-31 @ 3'
2C21005-36 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 19:29	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 19:29	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 19:29	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 19:29	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 19:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2305	03/23/22 11:36	03/23/22 19:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2305	03/23/22 11:36	03/23/22 19:29	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	32.5	1.12	mg/kg dry	1	P2C2212	03/22/22 16:11	03/23/22 22:10	EPA 300.0	
% Moisture	11.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 19:00	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 19:00	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 19:00	TPH 8015M	
Surrogate: 1-Chlorooctane	83.0 %		70-130		P2C2310	03/23/22 14:00	03/24/22 19:00	TPH 8015M	
Surrogate: o-Terphenyl	83.4 %		70-130		P2C2310	03/23/22 14:00	03/24/22 19:00	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 19:00	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-31 @ 5'
2C21005-37 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 19:50	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 19:50	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 19:50	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 19:50	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 19:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P2C2305	03/23/22 11:36	03/23/22 19:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P2C2305	03/23/22 11:36	03/23/22 19:50	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	20.9	1.09	mg/kg dry	1	P2C2213	03/22/22 16:24	03/23/22 08:38	EPA 300.0	
% Moisture	8.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 19:22	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 19:22	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 19:22	TPH 8015M	
Surrogate: 1-Chlorooctane	84.4 %		70-130		P2C2310	03/23/22 14:00	03/24/22 19:22	TPH 8015M	
Surrogate: o-Terphenyl	86.6 %		70-130		P2C2310	03/23/22 14:00	03/24/22 19:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 19:22	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-12 @ 2'
2C21005-38 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:11	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:11	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:11	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:11	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2305	03/23/22 11:36	03/23/22 20:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2305	03/23/22 11:36	03/23/22 20:11	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	352	1.11	mg/kg dry	1	P2C2213	03/22/22 16:24	03/22/22 19:25	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 19:44	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 19:44	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 19:44	TPH 8015M	
Surrogate: 1-Chlorooctane	85.7 %		70-130		P2C2310	03/23/22 14:00	03/24/22 19:44	TPH 8015M	
Surrogate: o-Terphenyl	94.5 %		70-130		P2C2310	03/23/22 14:00	03/24/22 19:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 19:44	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-12 @ 3'
2C21005-39 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:32	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:32	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:32	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:32	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2305	03/23/22 11:36	03/23/22 20:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2305	03/23/22 11:36	03/23/22 20:32	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12200	26.9	mg/kg dry	25	P2C2213	03/22/22 16:24	03/22/22 19:44	EPA 300.0	
% Moisture	7.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 20:05	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 20:05	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 20:05	TPH 8015M	
Surrogate: 1-Chlorooctane	88.7 %		70-130		P2C2310	03/23/22 14:00	03/24/22 20:05	TPH 8015M	
Surrogate: o-Terphenyl	97.1 %		70-130		P2C2310	03/23/22 14:00	03/24/22 20:05	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 20:05	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-12 @ 5'
2C21005-40 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:53	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:53	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:53	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:53	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 20:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.9 %		80-120		P2C2305	03/23/22 11:36	03/23/22 20:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2305	03/23/22 11:36	03/23/22 20:53	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1020	1.08	mg/kg dry	1	P2C2213	03/22/22 16:24	03/22/22 20:03	EPA 300.0	
% Moisture	7.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 20:27	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 20:27	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 20:27	TPH 8015M	
Surrogate: 1-Chlorooctane	88.2 %		70-130		P2C2310	03/23/22 14:00	03/24/22 20:27	TPH 8015M	
Surrogate: o-Terphenyl	96.6 %		70-130		P2C2310	03/23/22 14:00	03/24/22 20:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 20:27	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-10 @ 2'
2C21005-41 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:14	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:14	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:14	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:14	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2305	03/23/22 11:36	03/23/22 21:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2305	03/23/22 11:36	03/23/22 21:14	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	194	11.4	mg/kg dry	10	P2C2213	03/22/22 16:24	03/22/22 20:22	EPA 300.0	
% Moisture	12.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 20:48	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 20:48	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 20:48	TPH 8015M	
Surrogate: 1-Chlorooctane	86.5 %		70-130		P2C2310	03/23/22 14:00	03/24/22 20:48	TPH 8015M	
Surrogate: o-Terphenyl	95.0 %		70-130		P2C2310	03/23/22 14:00	03/24/22 20:48	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 20:48	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-10 @ 3'
2C21005-42 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:35	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:35	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:35	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:35	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2305	03/23/22 11:36	03/23/22 21:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2305	03/23/22 11:36	03/23/22 21:35	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	17.3	1.11	mg/kg dry	1	P2C2213	03/22/22 16:24	03/23/22 12:29	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 21:10	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 21:10	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 21:10	TPH 8015M	
Surrogate: 1-Chlorooctane	88.8 %		70-130		P2C2310	03/23/22 14:00	03/24/22 21:10	TPH 8015M	
Surrogate: o-Terphenyl	97.2 %		70-130		P2C2310	03/23/22 14:00	03/24/22 21:10	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 21:10	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-10 @ 5'
2C21005-43 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:56	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:56	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:56	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:56	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 21:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2305	03/23/22 11:36	03/23/22 21:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2305	03/23/22 11:36	03/23/22 21:56	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	652	1.08	mg/kg dry	1	P2C2213	03/22/22 16:24	03/23/22 12:44	EPA 300.0	
% Moisture	7.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 21:31	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 21:31	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 21:31	TPH 8015M	
Surrogate: 1-Chlorooctane	91.7 %		70-130		P2C2310	03/23/22 14:00	03/24/22 21:31	TPH 8015M	
Surrogate: o-Terphenyl	103 %		70-130		P2C2310	03/23/22 14:00	03/24/22 21:31	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 21:31	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-17 @ 2'
2C21005-44 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 22:16	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 22:16	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 22:16	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 22:16	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 22:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P2C2305	03/23/22 11:36	03/23/22 22:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2305	03/23/22 11:36	03/23/22 22:16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	93.6	1.08	mg/kg dry	1	P2C2213	03/22/22 16:24	03/22/22 21:19	EPA 300.0	
% Moisture	7.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 21:53	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 21:53	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 21:53	TPH 8015M	
Surrogate: 1-Chlorooctane	88.5 %		70-130		P2C2310	03/23/22 14:00	03/24/22 21:53	TPH 8015M	
Surrogate: o-Terphenyl	95.9 %		70-130		P2C2310	03/23/22 14:00	03/24/22 21:53	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 21:53	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-17 @ 3'
2C21005-45 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 22:37	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 22:37	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 22:37	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 22:37	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P2C2305	03/23/22 11:36	03/23/22 22:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2305	03/23/22 11:36	03/23/22 22:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.8 %		80-120		P2C2305	03/23/22 11:36	03/23/22 22:37	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	70.3	5.32	mg/kg dry	5	P2C2213	03/22/22 16:24	03/22/22 21:38	EPA 300.0	
% Moisture	6.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 22:14	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 22:14	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2C2310	03/23/22 14:00	03/24/22 22:14	TPH 8015M	
Surrogate: 1-Chlorooctane	86.9 %		70-130		P2C2310	03/23/22 14:00	03/24/22 22:14	TPH 8015M	
Surrogate: o-Terphenyl	88.9 %		70-130		P2C2310	03/23/22 14:00	03/24/22 22:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/23/22 14:00	03/24/22 22:14	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-17 @ 5'
2C21005-46 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 01:23	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 01:23	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 01:23	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 01:23	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 01:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.0 %		80-120		P2C2306	03/23/22 11:42	03/24/22 01:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P2C2306	03/23/22 11:42	03/24/22 01:23	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	150	10.8	mg/kg dry	10	P2C2213	03/22/22 16:24	03/22/22 22:35	EPA 300.0	
% Moisture	7.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 01:26	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 01:26	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 01:26	TPH 8015M	
Surrogate: 1-Chlorooctane	94.1 %		70-130		P2C2311	03/23/22 16:00	03/25/22 01:26	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		P2C2311	03/23/22 16:00	03/25/22 01:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 01:26	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-1 @ 1'
2C21005-47 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 01:44	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 01:44	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 01:44	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 01:44	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 01:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P2C2306	03/23/22 11:42	03/24/22 01:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P2C2306	03/23/22 11:42	03/24/22 01:44	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	696	11.2	mg/kg dry	10	P2C2213	03/22/22 16:24	03/22/22 23:33	EPA 300.0	
% Moisture	11.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 01:47	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 01:47	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 01:47	TPH 8015M	
Surrogate: 1-Chlorooctane	90.8 %		70-130		P2C2311	03/23/22 16:00	03/25/22 01:47	TPH 8015M	
Surrogate: o-Terphenyl	96.0 %		70-130		P2C2311	03/23/22 16:00	03/25/22 01:47	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 01:47	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-1 @ 3'
2C21005-48 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:05	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:05	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:05	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:05	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P2C2306	03/23/22 11:42	03/24/22 02:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P2C2306	03/23/22 11:42	03/24/22 02:05	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.35	1.14	mg/kg dry	1	P2C2213	03/22/22 16:24	03/23/22 12:59	EPA 300.0	
% Moisture	12.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 02:08	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 02:08	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 02:08	TPH 8015M	
Surrogate: 1-Chlorooctane	84.8 %		70-130		P2C2311	03/23/22 16:00	03/25/22 02:08	TPH 8015M	
Surrogate: o-Terphenyl	82.8 %		70-130		P2C2311	03/23/22 16:00	03/25/22 02:08	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 02:08	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-1 @ 5'
2C21005-49 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:26	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:26	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:26	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:26	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2306	03/23/22 11:42	03/24/22 02:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.0 %		80-120		P2C2306	03/23/22 11:42	03/24/22 02:26	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	29.1	1.14	mg/kg dry	1	P2C2213	03/22/22 16:24	03/23/22 13:14	EPA 300.0	
% Moisture	12.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 02:30	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 02:30	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 02:30	TPH 8015M	
Surrogate: 1-Chlorooctane	88.6 %		70-130		P2C2311	03/23/22 16:00	03/25/22 02:30	TPH 8015M	
Surrogate: o-Terphenyl	95.5 %		70-130		P2C2311	03/23/22 16:00	03/25/22 02:30	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 02:30	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-2 @ 1'
2C21005-50 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:46	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:46	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:46	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:46	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 02:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2306	03/23/22 11:42	03/24/22 02:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2306	03/23/22 11:42	03/24/22 02:46	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2760	11.1	mg/kg dry	10	P2C2213	03/22/22 16:24	03/23/22 00:30	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 02:51	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 02:51	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 02:51	TPH 8015M	
Surrogate: 1-Chlorooctane	90.7 %		70-130		P2C2311	03/23/22 16:00	03/25/22 02:51	TPH 8015M	
Surrogate: o-Terphenyl	103 %		70-130		P2C2311	03/23/22 16:00	03/25/22 02:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 02:51	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-2 @ 3'
2C21005-51 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:07	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:07	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:07	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:07	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2306	03/23/22 11:42	03/24/22 03:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.9 %		80-120		P2C2306	03/23/22 11:42	03/24/22 03:07	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	123	11.6	mg/kg dry	10	P2C2213	03/22/22 16:24	03/23/22 00:49	EPA 300.0	
% Moisture	14.0	0.1	%	1	P2C2307	03/23/22 12:54	03/23/22 12:56	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 03:12	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 03:12	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 03:12	TPH 8015M	
Surrogate: 1-Chlorooctane	88.1 %		70-130		P2C2311	03/23/22 16:00	03/25/22 03:12	TPH 8015M	
Surrogate: o-Terphenyl	93.1 %		70-130		P2C2311	03/23/22 16:00	03/25/22 03:12	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 03:12	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-2 @ 5'
2C21005-52 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:28	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:28	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:28	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:28	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2306	03/23/22 11:42	03/24/22 03:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P2C2306	03/23/22 11:42	03/24/22 03:28	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	66.8	1.16	mg/kg dry	1	P2C2213	03/22/22 16:24	03/23/22 13:30	EPA 300.0	
% Moisture	14.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 03:33	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 03:33	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 03:33	TPH 8015M	
Surrogate: 1-Chlorooctane	95.1 %		70-130		P2C2311	03/23/22 16:00	03/25/22 03:33	TPH 8015M	
Surrogate: o-Terphenyl	106 %		70-130		P2C2311	03/23/22 16:00	03/25/22 03:33	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 03:33	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-2 @ 7'
2C21005-53 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00115	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:48	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:48	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:48	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:48	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 03:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2306	03/23/22 11:42	03/24/22 03:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2306	03/23/22 11:42	03/24/22 03:48	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	257	11.5	mg/kg dry	10	P2C2213	03/22/22 16:24	03/23/22 01:27	EPA 300.0	
% Moisture	13.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 03:54	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 03:54	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 03:54	TPH 8015M	
Surrogate: 1-Chlorooctane	85.3 %		70-130		P2C2311	03/23/22 16:00	03/25/22 03:54	TPH 8015M	
Surrogate: o-Terphenyl	93.5 %		70-130		P2C2311	03/23/22 16:00	03/25/22 03:54	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 03:54	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-4 @ 1'
2C21005-54 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 04:09	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 04:09	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 04:09	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 04:09	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 04:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2306	03/23/22 11:42	03/24/22 04:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.1 %		80-120		P2C2306	03/23/22 11:42	03/24/22 04:09	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2600	11.2	mg/kg dry	10	P2C2213	03/22/22 16:24	03/23/22 01:46	EPA 300.0	
% Moisture	11.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 04:16	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 04:16	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 04:16	TPH 8015M	
Surrogate: 1-Chlorooctane	92.4 %		70-130		P2C2311	03/23/22 16:00	03/25/22 04:16	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		P2C2311	03/23/22 16:00	03/25/22 04:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 04:16	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-4 @ 3'
2C21005-55 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 04:30	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 04:30	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 04:30	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 04:30	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 04:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2C2306	03/23/22 11:42	03/24/22 04:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2306	03/23/22 11:42	03/24/22 04:30	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9.93	1.12	mg/kg dry	1	P2C2213	03/22/22 16:24	03/23/22 13:45	EPA 300.0	
% Moisture	11.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 04:37	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 04:37	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 04:37	TPH 8015M	
Surrogate: 1-Chlorooctane	72.6 %		70-130		P2C2311	03/23/22 16:00	03/25/22 04:37	TPH 8015M	
Surrogate: o-Terphenyl	71.7 %		70-130		P2C2311	03/23/22 16:00	03/25/22 04:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 04:37	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-4 @ 5'
2C21005-56 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 05:32	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 05:32	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 05:32	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 05:32	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 05:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2306	03/23/22 11:42	03/24/22 05:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.9 %		80-120		P2C2306	03/23/22 11:42	03/24/22 05:32	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.02	1.10	mg/kg dry	1	P2C2312	03/23/22 15:56	03/24/22 01:28	EPA 300.0	
% Moisture	9.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 05:40	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 05:40	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 05:40	TPH 8015M	
Surrogate: 1-Chlorooctane	89.3 %		70-130		P2C2311	03/23/22 16:00	03/25/22 05:40	TPH 8015M	
Surrogate: o-Terphenyl	99.4 %		70-130		P2C2311	03/23/22 16:00	03/25/22 05:40	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 05:40	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-4 @ 6'
2C21005-57 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 05:53	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 05:53	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 05:53	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 05:53	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 05:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.5 %		80-120		P2C2306	03/23/22 11:42	03/24/22 05:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2306	03/23/22 11:42	03/24/22 05:53	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11.7	1.14	mg/kg dry	1	P2C2312	03/23/22 15:56	03/24/22 01:44	EPA 300.0	
% Moisture	12.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 06:02	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 06:02	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 06:02	TPH 8015M	
Surrogate: 1-Chlorooctane	91.8 %		70-130		P2C2311	03/23/22 16:00	03/25/22 06:02	TPH 8015M	
Surrogate: o-Terphenyl	99.4 %		70-130		P2C2311	03/23/22 16:00	03/25/22 06:02	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 06:02	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-6 @ 1'
2C21005-58 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:13	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:13	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:13	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:13	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2306	03/23/22 11:42	03/24/22 06:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.0 %		80-120		P2C2306	03/23/22 11:42	03/24/22 06:13	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1990	11.1	mg/kg dry	10	P2C2312	03/23/22 15:56	03/24/22 11:07	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 06:23	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 06:23	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 06:23	TPH 8015M	
Surrogate: 1-Chlorooctane	86.6 %		70-130		P2C2311	03/23/22 16:00	03/25/22 06:23	TPH 8015M	
Surrogate: o-Terphenyl	94.9 %		70-130		P2C2311	03/23/22 16:00	03/25/22 06:23	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 06:23	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-6 @ 3'
2C21005-59 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:34	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:34	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:34	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:34	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.6 %		80-120		P2C2306	03/23/22 11:42	03/24/22 06:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2306	03/23/22 11:42	03/24/22 06:34	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	326	1.10	mg/kg dry	1	P2C2312	03/23/22 15:56	03/24/22 02:14	EPA 300.0	
% Moisture	9.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 06:44	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 06:44	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 06:44	TPH 8015M	
Surrogate: 1-Chlorooctane	86.2 %		70-130		P2C2311	03/23/22 16:00	03/25/22 06:44	TPH 8015M	
Surrogate: o-Terphenyl	93.8 %		70-130		P2C2311	03/23/22 16:00	03/25/22 06:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 06:44	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-6 @ 5'
2C21005-60 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:55	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:55	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:55	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:55	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 06:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P2C2306	03/23/22 11:42	03/24/22 06:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.2 %		80-120		P2C2306	03/23/22 11:42	03/24/22 06:55	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	764	1.11	mg/kg dry	1	P2C2312	03/23/22 15:56	03/24/22 02:30	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 07:05	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 07:05	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 07:05	TPH 8015M	
Surrogate: 1-Chlorooctane	89.2 %		70-130		P2C2311	03/23/22 16:00	03/25/22 07:05	TPH 8015M	
Surrogate: o-Terphenyl	95.9 %		70-130		P2C2311	03/23/22 16:00	03/25/22 07:05	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 07:05	calc	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

S-6 @ 10'
2C21005-61 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 07:15	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 07:15	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 07:15	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 07:15	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P2C2306	03/23/22 11:42	03/24/22 07:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P2C2306	03/23/22 11:42	03/24/22 07:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.1 %		80-120		P2C2306	03/23/22 11:42	03/24/22 07:15	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	181	1.05	mg/kg dry	1	P2C2312	03/23/22 15:56	03/24/22 02:45	EPA 300.0	
% Moisture	5.0	0.1	%	1	P2C2304	03/23/22 10:29	03/23/22 10:31	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 07:26	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 07:26	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P2C2311	03/23/22 16:00	03/25/22 07:26	TPH 8015M	
Surrogate: 1-Chlorooctane	90.1 %		70-130		P2C2311	03/23/22 16:00	03/25/22 07:26	TPH 8015M	
Surrogate: o-Terphenyl	99.6 %		70-130		P2C2311	03/23/22 16:00	03/25/22 07:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/23/22 16:00	03/25/22 07:26	calc	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2201 - General Preparation (GC)

Blank (P2C2201-BLK1)

Prepared & Analyzed: 03/22/22

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

LCS (P2C2201-BS1)

Prepared & Analyzed: 03/22/22

Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		115	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			

LCS Dup (P2C2201-BSD1)

Prepared & Analyzed: 03/22/22

Benzene	0.105	0.00100	mg/kg wet	0.100		105	80-120	3.82	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	3.60	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	2.52	20	
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120	2.46	20	
Xylene (o)	0.109	0.00100	"	0.100		109	80-120	3.90	20	
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Check (P2C2201-CCV1)

Prepared & Analyzed: 03/22/22

Benzene	0.107	0.00100	mg/kg wet	0.100		107	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.0	75-125			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2201 - General Preparation (GC)

Calibration Check (P2C2201-CCV2)

Prepared & Analyzed: 03/22/22

Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			

Calibration Check (P2C2201-CCV3)

Prepared & Analyzed: 03/22/22

Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	75-125			

Matrix Spike (P2C2201-MS1)

Source: 2C21005-01

Prepared & Analyzed: 03/22/22

Benzene	0.0877	0.00106	mg/kg dry	0.106	ND	82.4	80-120			
Toluene	0.0747	0.00106	"	0.106	ND	70.2	80-120			QM-05
Ethylbenzene	0.0824	0.00106	"	0.106	ND	77.5	80-120			QM-05
Xylene (p/m)	0.154	0.00213	"	0.213	ND	72.4	80-120			QM-05
Xylene (o)	0.0737	0.00106	"	0.106	ND	69.3	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.130		"	0.128		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.128		101	80-120			

Matrix Spike Dup (P2C2201-MSD1)

Source: 2C21005-01

Prepared & Analyzed: 03/22/22

Benzene	0.0868	0.00106	mg/kg dry	0.106	ND	81.6	80-120	1.05	20	
Toluene	0.0714	0.00106	"	0.106	ND	67.1	80-120	4.57	20	QM-05
Ethylbenzene	0.0787	0.00106	"	0.106	ND	73.9	80-120	4.69	20	QM-05
Xylene (p/m)	0.146	0.00213	"	0.213	ND	68.7	80-120	5.36	20	QM-05
Xylene (o)	0.0706	0.00106	"	0.106	ND	66.3	80-120	4.35	20	QM-05
Surrogate: 1,4-Difluorobenzene	0.132		"	0.128		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.128		99.8	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2202 - General Preparation (GC)

Blank (P2C2202-BLK1)

Prepared & Analyzed: 03/22/22

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

LCS (P2C2202-BS1)

Prepared & Analyzed: 03/22/22

Benzene	0.107	0.00100	mg/kg wet	0.100		107	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			

LCS Dup (P2C2202-BS1)

Prepared & Analyzed: 03/22/22

Benzene	0.114	0.00100	mg/kg wet	0.100		114	80-120	6.14	20	
Toluene	0.113	0.00100	"	0.100		113	80-120	6.76	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	0.161	20	
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120	1.84	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	5.21	20	
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			

Calibration Check (P2C2202-CCV1)

Prepared & Analyzed: 03/22/22

Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	75-125			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2202 - General Preparation (GC)

Calibration Check (P2C2202-CCV2)

Prepared: 03/22/22 Analyzed: 03/23/22

Benzene	0.120	0.00100	mg/kg wet	0.100		120	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.3	75-125			

Calibration Check (P2C2202-CCV3)

Prepared: 03/22/22 Analyzed: 03/23/22

Benzene	0.115	0.00100	mg/kg wet	0.100		115	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	75-125			

Matrix Spike (P2C2202-MS1)

Source: 2C21005-13

Prepared: 03/22/22 Analyzed: 03/23/22

Benzene	0.0831	0.00111	mg/kg dry	0.111	ND	74.8	80-120			QM-05
Toluene	0.0721	0.00111	"	0.111	ND	64.9	80-120			QM-05
Ethylbenzene	0.0773	0.00111	"	0.111	ND	69.6	80-120			QM-05
Xylene (p/m)	0.143	0.00222	"	0.222	ND	64.2	80-120			QM-05
Xylene (o)	0.0654	0.00111	"	0.111	ND	58.9	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.140		"	0.133		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.142		"	0.133		106	80-120			

Matrix Spike Dup (P2C2202-MSD1)

Source: 2C21005-13

Prepared: 03/22/22 Analyzed: 03/23/22

Benzene	0.0827	0.00111	mg/kg dry	0.111	ND	74.4	80-120	0.523	20	QM-05
Toluene	0.0727	0.00111	"	0.111	ND	65.4	80-120	0.813	20	QM-05
Ethylbenzene	0.0790	0.00111	"	0.111	ND	71.1	80-120	2.12	20	QM-05
Xylene (p/m)	0.145	0.00222	"	0.222	ND	65.2	80-120	1.62	20	QM-05
Xylene (o)	0.0663	0.00111	"	0.111	ND	59.7	80-120	1.27	20	QM-05
Surrogate: 1,4-Difluorobenzene	0.144		"	0.133		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.142		"	0.133		107	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2305 - General Preparation (GC)

Blank (P2C2305-BLK1)

Prepared & Analyzed: 03/23/22

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			

LCS (P2C2305-BS1)

Prepared & Analyzed: 03/23/22

Benzene	0.100	0.00100	mg/kg wet	0.100		100	80-120			
Toluene	0.0971	0.00100	"	0.100		97.1	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200		108	80-120			
Xylene (o)	0.0986	0.00100	"	0.100		98.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			

LCS Dup (P2C2305-BSD1)

Prepared & Analyzed: 03/23/22

Benzene	0.105	0.00100	mg/kg wet	0.100		105	80-120	4.39	20	
Toluene	0.101	0.00100	"	0.100		101	80-120	4.24	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	1.53	20	
Xylene (p/m)	0.227	0.00200	"	0.200		114	80-120	4.79	20	
Xylene (o)	0.104	0.00100	"	0.100		104	80-120	5.14	20	
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			

Calibration Check (P2C2305-CCV1)

Prepared & Analyzed: 03/23/22

Benzene	0.112	0.00100	mg/kg wet	0.100		112	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			

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Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2305 - General Preparation (GC)

Calibration Check (P2C2305-CCV2)

Prepared & Analyzed: 03/23/22

Benzene	0.114	0.00100	mg/kg wet	0.100		114	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		118	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			

Calibration Check (P2C2305-CCV3)

Prepared & Analyzed: 03/23/22

Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	75-125			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		105	75-125			

Matrix Spike (P2C2305-MS1)

Source: 2C23002-01

Prepared & Analyzed: 03/23/22

Benzene	0.0540	0.00102	mg/kg dry	0.102	0.00278	50.2	80-120			QM-05
Toluene	0.118	0.00102	"	0.102	0.288	NR	80-120			QM-05
Ethylbenzene	0.286	0.00102	"	0.102	1.19	NR	80-120			QM-05
Xylene (p/m)	0.857	0.00204	"	0.204	3.77	NR	80-120			QM-05
Xylene (o)	0.269	0.00102	"	0.102	1.28	NR	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.135		"	0.122		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.122		109	80-120			

Matrix Spike Dup (P2C2305-MSD1)

Source: 2C23002-01

Prepared & Analyzed: 03/23/22

Benzene	0.0627	0.00102	mg/kg dry	0.102	0.00278	58.7	80-120	15.6	20	QM-05
Toluene	0.131	0.00102	"	0.102	0.288	NR	80-120	NR	20	QM-05
Ethylbenzene	0.162	0.00102	"	0.102	1.19	NR	80-120	NR	20	QM-05
Xylene (p/m)	0.448	0.00204	"	0.204	3.77	NR	80-120	NR	20	QM-05
Xylene (o)	0.142	0.00102	"	0.102	1.28	NR	80-120	NR	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.119		"	0.122		97.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.122		101	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2306 - General Preparation (GC)

Blank (P2C2306-BLK1)

Prepared: 03/23/22 Analyzed: 03/24/22

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

LCS (P2C2306-BS1)

Prepared: 03/23/22 Analyzed: 03/24/22

Benzene	0.114	0.00100	mg/kg wet	0.100		114	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		118	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

LCS Dup (P2C2306-BS1)

Prepared: 03/23/22 Analyzed: 03/24/22

Benzene	0.113	0.00100	mg/kg wet	0.100		113	80-120	1.12	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	1.61	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	1.68	20	
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120	1.55	20	
Xylene (o)	0.109	0.00100	"	0.100		109	80-120	2.46	20	
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Calibration Check (P2C2306-CCV1)

Prepared & Analyzed: 03/23/22

Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	75-125			

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Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2306 - General Preparation (GC)

Calibration Check (P2C2306-CCV2)

Prepared: 03/23/22 Analyzed: 03/24/22

Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.4	75-125			

Calibration Check (P2C2306-CCV3)

Prepared: 03/23/22 Analyzed: 03/24/22

Benzene	0.116	0.00100	mg/kg wet	0.100		116	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	75-125			

Matrix Spike (P2C2306-MS1)

Source: 2C21005-46

Prepared: 03/23/22 Analyzed: 03/24/22

Benzene	0.103	0.00108	mg/kg dry	0.108	ND	95.6	80-120			
Toluene	0.0952	0.00108	"	0.108	ND	88.5	80-120			
Ethylbenzene	0.106	0.00108	"	0.108	ND	98.4	80-120			
Xylene (p/m)	0.193	0.00215	"	0.215	ND	89.9	80-120			
Xylene (o)	0.0894	0.00108	"	0.108	ND	83.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.134		"	0.129		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.129		104	80-120			

Matrix Spike Dup (P2C2306-MSD1)

Source: 2C21005-46

Prepared: 03/23/22 Analyzed: 03/24/22

Benzene	0.104	0.00108	mg/kg dry	0.108	ND	96.7	80-120	1.11	20	
Toluene	0.0979	0.00108	"	0.108	ND	91.0	80-120	2.82	20	
Ethylbenzene	0.108	0.00108	"	0.108	ND	100	80-120	1.77	20	
Xylene (p/m)	0.199	0.00215	"	0.215	ND	92.4	80-120	2.65	20	
Xylene (o)	0.0923	0.00108	"	0.108	ND	85.9	80-120	3.19	20	
Surrogate: 1,4-Difluorobenzene	0.136		"	0.129		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.129		104	80-120			

Permian Basin Environmental Lab, L.P.

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2210 - * DEFAULT PREP *****

Blank (P2C2210-BLK1)				Prepared & Analyzed: 03/22/22						
Chloride	ND	1.00	mg/kg wet							
LCS (P2C2210-BS1)				Prepared & Analyzed: 03/22/22						
Chloride	39.3		mg/kg	40.0		98.1	90-110			
LCS Dup (P2C2210-BSD1)				Prepared & Analyzed: 03/22/22						
Chloride	40.6		mg/kg	40.0		102	90-110	3.39	10	
Calibration Blank (P2C2210-CCB1)				Prepared & Analyzed: 03/22/22						
Chloride	0.111		mg/kg wet							
Calibration Blank (P2C2210-CCB2)				Prepared: 03/22/22 Analyzed: 03/23/22						
Chloride	0.00		mg/kg wet							
Calibration Check (P2C2210-CCV1)				Prepared & Analyzed: 03/22/22						
Chloride	40.5		mg/kg	40.0		101	90-110			
Calibration Check (P2C2210-CCV2)				Prepared: 03/22/22 Analyzed: 03/23/22						
Chloride	39.7		mg/kg	40.0		99.3	90-110			
Calibration Check (P2C2210-CCV3)				Prepared: 03/22/22 Analyzed: 03/23/22						
Chloride	40.4		mg/kg	40.0		101	90-110			
Matrix Spike (P2C2210-MS1)				Source: 2C18014-03 Prepared: 03/22/22 Analyzed: 03/23/22						
Chloride	290	1.08	mg/kg dry	269	35.3	94.8	80-120			
Matrix Spike (P2C2210-MS2)				Source: 2C21005-06 Prepared: 03/22/22 Analyzed: 03/23/22						
Chloride	1170	11.1	mg/kg dry	556	571	108	80-120			

Permian Basin Environmental Lab, L.P.

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Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2210 - * DEFAULT PREP *****

Matrix Spike Dup (P2C2210-MSD1)

Source: 2C18014-03

Prepared: 03/22/22 Analyzed: 03/23/22

Chloride	291	1.08	mg/kg dry	269	35.3	95.0	80-120	0.133	20	
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Matrix Spike Dup (P2C2210-MSD2)

Source: 2C21005-06

Prepared: 03/22/22 Analyzed: 03/23/22

Chloride	1130	11.1	mg/kg dry	556	571	100	80-120	3.62	20	
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Batch P2C2212 - * DEFAULT PREP *****

Blank (P2C2212-BLK1)

Prepared: 03/22/22 Analyzed: 03/23/22

Chloride	ND	1.00	mg/kg wet							
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LCS (P2C2212-BS1)

Prepared: 03/22/22 Analyzed: 03/23/22

Chloride	40.0		mg/kg	40.0		100	90-110			
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LCS Dup (P2C2212-BSD1)

Prepared: 03/22/22 Analyzed: 03/23/22

Chloride	41.0		mg/kg	40.0		103	90-110	2.46	10	
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Calibration Blank (P2C2212-CCB1)

Prepared: 03/22/22 Analyzed: 03/23/22

Chloride	0.0920		mg/kg wet							
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Calibration Blank (P2C2212-CCB2)

Prepared: 03/22/22 Analyzed: 03/23/22

Chloride	0.0820		mg/kg wet							
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Calibration Check (P2C2212-CCV1)

Prepared: 03/22/22 Analyzed: 03/23/22

Chloride	40.4		mg/kg	40.0		101	90-110			
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Calibration Check (P2C2212-CCV2)

Prepared: 03/22/22 Analyzed: 03/23/22

Chloride	41.6		mg/kg	40.0		104	90-110			
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Permian Basin Environmental Lab, L.P.

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Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2212 - * DEFAULT PREP *****

Calibration Check (P2C2212-CCV3)				Prepared: 03/22/22 Analyzed: 03/24/22						
Chloride	19.3		mg/kg	20.0		96.6	90-110			
Matrix Spike (P2C2212-MS1)				Source: 2C21005-16 Prepared: 03/22/22 Analyzed: 03/23/22						
Chloride	261	1.03	mg/kg dry	258	11.9	96.6	80-120			
Matrix Spike (P2C2212-MS2)				Source: 2C21005-27 Prepared: 03/22/22 Analyzed: 03/23/22						
Chloride	288	1.15	mg/kg dry	287	11.1	96.5	80-120			
Matrix Spike Dup (P2C2212-MSD1)				Source: 2C21005-16 Prepared: 03/22/22 Analyzed: 03/23/22						
Chloride	274	1.03	mg/kg dry	258	11.9	102	80-120	4.92	20	
Matrix Spike Dup (P2C2212-MSD2)				Source: 2C21005-27 Prepared: 03/22/22 Analyzed: 03/23/22						
Chloride	285	1.15	mg/kg dry	287	11.1	95.4	80-120	1.09	20	

Batch P2C2213 - * DEFAULT PREP *****

Blank (P2C2213-BLK1)				Prepared & Analyzed: 03/22/22						
Chloride	ND	1.00	mg/kg wet							
LCS (P2C2213-BS1)				Prepared & Analyzed: 03/22/22						
Chloride	42.1		mg/kg	40.0		105	90-110			
LCS Dup (P2C2213-BSD1)				Prepared & Analyzed: 03/22/22						
Chloride	42.0		mg/kg	40.0		105	90-110	0.209	10	
Calibration Blank (P2C2213-CCB1)				Prepared & Analyzed: 03/22/22						
Chloride	0.0690		mg/kg wet							

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2213 - * DEFAULT PREP *****

Calibration Blank (P2C2213-CCB2)

Prepared & Analyzed: 03/22/22

Chloride	0.0700		mg/kg wet							
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Calibration Check (P2C2213-CCV1)

Prepared & Analyzed: 03/22/22

Chloride	41.6		mg/kg	40.0		104	90-110			
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Calibration Check (P2C2213-CCV2)

Prepared & Analyzed: 03/22/22

Chloride	42.5		mg/kg	40.0		106	90-110			
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Calibration Check (P2C2213-CCV3)

Prepared: 03/22/22 Analyzed: 03/23/22

Chloride	42.9		mg/kg	40.0		107	90-110			
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Matrix Spike (P2C2213-MS1)

Source: 2C22005-01

Prepared & Analyzed: 03/22/22

Chloride	306	1.06	mg/kg dry	266	50.3	96.2	80-120			
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Matrix Spike (P2C2213-MS2)

Source: 2C21005-46

Prepared & Analyzed: 03/22/22

Chloride	676	10.8	mg/kg dry	538	150	97.9	80-120			
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Matrix Spike Dup (P2C2213-MSD1)

Source: 2C22005-01

Prepared & Analyzed: 03/22/22

Chloride	306	1.06	mg/kg dry	266	50.3	96.1	80-120	0.101	20	
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Matrix Spike Dup (P2C2213-MSD2)

Source: 2C21005-46

Prepared & Analyzed: 03/22/22

Chloride	689	10.8	mg/kg dry	538	150	100	80-120	1.89	20	
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Batch P2C2304 - * DEFAULT PREP *****

Blank (P2C2304-BLK1)

Prepared & Analyzed: 03/23/22

% Moisture	ND	0.1	%							
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Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2304 - * DEFAULT PREP *****

Duplicate (P2C2304-DUP1)	Source: 2C21005-61		Prepared & Analyzed: 03/23/22							
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P2C2304-DUP2)	Source: 2C22004-03		Prepared & Analyzed: 03/23/22							
% Moisture	52.0	0.1	%		52.0			0.00	20	

Batch P2C2307 - * DEFAULT PREP *****

Blank (P2C2307-BLK1)	Prepared & Analyzed: 03/23/22									
% Moisture	ND	0.1	%							
Blank (P2C2307-BLK2)	Prepared & Analyzed: 03/23/22									
% Moisture	ND	0.1	%							
Duplicate (P2C2307-DUP1)	Source: 2C21005-10		Prepared & Analyzed: 03/23/22							
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P2C2307-DUP2)	Source: 2C21005-20		Prepared & Analyzed: 03/23/22							
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P2C2307-DUP3)	Source: 2C21005-36		Prepared & Analyzed: 03/23/22							
% Moisture	10.0	0.1	%		11.0			9.52	20	
Duplicate (P2C2307-DUP4)	Source: 2C21005-46		Prepared & Analyzed: 03/23/22							
% Moisture	6.0	0.1	%		7.0			15.4	20	

Batch P2C2312 - * DEFAULT PREP *****

Blank (P2C2312-BLK1)	Prepared & Analyzed: 03/23/22									
Chloride	ND	1.00	mg/kg wet							

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2312 - * DEFAULT PREP *****

LCS (P2C2312-BS1)				Prepared & Analyzed: 03/23/22						
Chloride	40.5		mg/kg	40.0		101	90-110			
LCS Dup (P2C2312-BSD1)				Prepared & Analyzed: 03/23/22						
Chloride	39.8		mg/kg	40.0		99.5	90-110	1.73	10	
Calibration Blank (P2C2312-CCB1)				Prepared & Analyzed: 03/23/22						
Chloride	0.00		mg/kg wet							
Calibration Blank (P2C2312-CCB2)				Prepared: 03/23/22 Analyzed: 03/24/22						
Chloride	0.0850		mg/kg wet							
Calibration Check (P2C2312-CCV1)				Prepared: 03/23/22 Analyzed: 03/24/22						
Chloride	19.3		mg/kg	20.0		96.6	90-110			
Calibration Check (P2C2312-CCV2)				Prepared: 03/23/22 Analyzed: 03/24/22						
Chloride	19.3		mg/kg	20.0		96.5	90-110			
Calibration Check (P2C2312-CCV3)				Prepared: 03/23/22 Analyzed: 03/24/22						
Chloride	19.1		mg/kg	20.0		95.7	90-110			
Matrix Spike (P2C2312-MS1)				Source: 2C23003-01 Prepared: 03/23/22 Analyzed: 03/24/22						
Chloride	1930	1.12	mg/kg dry	281	672	448	80-120			QM-05
Matrix Spike (P2C2312-MS2)				Source: 2C21006-02 Prepared: 03/23/22 Analyzed: 03/24/22						
Chloride	591	1.12	mg/kg dry	281	323	95.5	80-120			
Matrix Spike Dup (P2C2312-MSD1)				Source: 2C23003-01 Prepared: 03/23/22 Analyzed: 03/24/22						
Chloride	1730	1.12	mg/kg dry	281	672	377	80-120	10.9	20	QM-05

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.	Project: Hayhurst Pond 2
P.O. Box 50685	Project Number: 22-0107-01
Midland TX, 79710	Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2312 - *** DEFAULT PREP ***

Matrix Spike Dup (P2C2312-MSD2)	Source: 2C21006-02			Prepared: 03/23/22 Analyzed: 03/24/22						
Chloride	561	1.12	mg/kg dry	281	323	84.7	80-120	5.25	20	

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2211 - * DEFAULT PREP *****

Blank (P2C2211-BLK1)

Prepared: 03/22/22 Analyzed: 03/23/22

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	95.0		"	100		95.0	70-130			
Surrogate: o-Terphenyl	53.1		"	50.0		106	70-130			

LCS (P2C2211-BS1)

Prepared: 03/22/22 Analyzed: 03/23/22

C6-C12	940	25.0	mg/kg wet	1000		94.0	75-125			
>C12-C28	936	25.0	"	1000		93.6	75-125			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	61.7		"	50.0		123	70-130			

LCS Dup (P2C2211-BSD1)

Prepared: 03/22/22 Analyzed: 03/23/22

C6-C12	860	25.0	mg/kg wet	1000		86.0	75-125	8.84	20	
>C12-C28	879	25.0	"	1000		87.9	75-125	6.30	20	
Surrogate: 1-Chlorooctane	118		"	100		118	70-130			
Surrogate: o-Terphenyl	58.7		"	50.0		117	70-130			

Calibration Check (P2C2211-CCV1)

Prepared: 03/22/22 Analyzed: 03/23/22

C6-C12	481	25.0	mg/kg wet	500		96.1	85-115			
>C12-C28	430	25.0	"	500		86.0	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	52.7		"	50.0		105	70-130			

Calibration Check (P2C2211-CCV2)

Prepared: 03/22/22 Analyzed: 03/23/22

C6-C12	492	25.0	mg/kg wet	500		98.4	85-115			
>C12-C28	446	25.0	"	500		89.3	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	55.9		"	50.0		112	70-130			

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2211 - * DEFAULT PREP *****

Calibration Check (P2C2211-CCV3)

Prepared: 03/22/22 Analyzed: 03/24/22

C6-C12	480	25.0	mg/kg wet	500		95.9	85-115			
>C12-C28	449	25.0	"	500		89.8	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	52.8		"	50.0		106	70-130			

Matrix Spike (P2C2211-MS1)

Source: 2C21005-04

Prepared: 03/22/22 Analyzed: 03/24/22

C6-C12	866	27.2	mg/kg dry	1090	10.4	78.8	75-125			
>C12-C28	846	27.2	"	1090	ND	77.8	75-125			
Surrogate: 1-Chlorooctane	107		"	109		98.4	70-130			
Surrogate: o-Terphenyl	52.4		"	54.3		96.4	70-130			

Matrix Spike Dup (P2C2211-MSD1)

Source: 2C21005-04

Prepared: 03/22/22 Analyzed: 03/24/22

C6-C12	820	27.2	mg/kg dry	1090	10.4	74.5	75-125	5.58	20	QM-05
>C12-C28	800	27.2	"	1090	ND	73.6	75-125	5.66	20	QM-05
Surrogate: 1-Chlorooctane	105		"	109		96.3	70-130			
Surrogate: o-Terphenyl	49.8		"	54.3		91.6	70-130			

Batch P2C2309 - * DEFAULT PREP *****

Blank (P2C2309-BLK1)

Prepared & Analyzed: 03/23/22

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	55.1		"	50.0		110	70-130			

LCS (P2C2309-BS1)

Prepared & Analyzed: 03/23/22

C6-C12	978	25.0	mg/kg wet	1000		97.8	75-125			
>C12-C28	950	25.0	"	1000		95.0	75-125			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	60.0		"	50.0		120	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2309 - * DEFAULT PREP *****

LCS Dup (P2C2309-BSD1)

Prepared & Analyzed: 03/23/22

C6-C12	1000	25.0	mg/kg wet	1000		100	75-125	2.39	20	
>C12-C28	972	25.0	"	1000		97.2	75-125	2.32	20	
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	61.2		"	50.0		122	70-130			

Calibration Check (P2C2309-CCV1)

Prepared & Analyzed: 03/23/22

C6-C12	522	25.0	mg/kg wet	500		104	85-115			
>C12-C28	487	25.0	"	500		97.4	85-115			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	55.4		"	50.0		111	70-130			

Calibration Check (P2C2309-CCV2)

Prepared: 03/23/22 Analyzed: 03/24/22

C6-C12	548	25.0	mg/kg wet	500		110	85-115			
>C12-C28	517	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	57.9		"	50.0		116	70-130			

Calibration Check (P2C2309-CCV3)

Prepared: 03/23/22 Analyzed: 03/24/22

C6-C12	554	25.0	mg/kg wet	500		111	85-115			
>C12-C28	532	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	57.9		"	50.0		116	70-130			

Matrix Spike (P2C2309-MS1)

Source: 2C21005-24

Prepared: 03/23/22 Analyzed: 03/24/22

C6-C12	912	26.6	mg/kg dry	1060	21.2	83.7	75-125			
>C12-C28	943	26.6	"	1060	11.9	87.6	75-125			
Surrogate: 1-Chlorooctane	130		"	106		122	70-130			
Surrogate: o-Terphenyl	56.7		"	53.2		107	70-130			

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2309 - * DEFAULT PREP *****

Matrix Spike Dup (P2C2309-MSD1)		Source: 2C21005-24		Prepared: 03/23/22		Analyzed: 03/24/22				
C6-C12	919	26.6	mg/kg dry	1060	21.2	84.4	75-125	0.789	20	
>C12-C28	943	26.6	"	1060	11.9	87.6	75-125	0.00116	20	
Surrogate: 1-Chlorooctane	129		"	106		121	70-130			
Surrogate: o-Terphenyl	55.3		"	53.2		104	70-130			

Batch P2C2310 - * DEFAULT PREP *****

Blank (P2C2310-BLK1)				Prepared: 03/23/22		Analyzed: 03/24/22				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	99.4		"	100		99.4	70-130			
Surrogate: o-Terphenyl	53.9		"	50.0		108	70-130			

LCS (P2C2310-BS1)				Prepared: 03/23/22		Analyzed: 03/24/22				
C6-C12	913	25.0	mg/kg wet	1000		91.3	75-125			
>C12-C28	891	25.0	"	1000		89.1	75-125			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	58.3		"	50.0		117	70-130			

LCS Dup (P2C2310-BSD1)				Prepared: 03/23/22		Analyzed: 03/24/22				
C6-C12	910	25.0	mg/kg wet	1000		91.0	75-125	0.329	20	
>C12-C28	884	25.0	"	1000		88.4	75-125	0.801	20	
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	58.1		"	50.0		116	70-130			

Calibration Check (P2C2310-CCV1)				Prepared: 03/23/22		Analyzed: 03/24/22				
C6-C12	483	25.0	mg/kg wet	500		96.6	85-115			
>C12-C28	455	25.0	"	500		91.0	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	53.9		"	50.0		108	70-130			

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2310 - * DEFAULT PREP *****

Calibration Check (P2C2310-CCV2)

Prepared: 03/23/22 Analyzed: 03/24/22

C6-C12	492	25.0	mg/kg wet	500		98.3	85-115			
>C12-C28	455	25.0	"	500		90.9	85-115			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	52.7		"	50.0		105	70-130			

Matrix Spike (P2C2310-MS1)

Source: 2C21005-45

Prepared: 03/23/22 Analyzed: 03/24/22

C6-C12	868	26.6	mg/kg dry	1060	12.2	80.4	75-125			
>C12-C28	846	26.6	"	1060	ND	79.5	75-125			
Surrogate: 1-Chlorooctane	107		"	106		100	70-130			
Surrogate: o-Terphenyl	50.2		"	53.2		94.4	70-130			

Matrix Spike Dup (P2C2310-MSD1)

Source: 2C21005-45

Prepared: 03/23/22 Analyzed: 03/24/22

C6-C12	871	26.6	mg/kg dry	1060	12.2	80.7	75-125	0.357	20	
>C12-C28	856	26.6	"	1060	ND	80.5	75-125	1.18	20	
Surrogate: 1-Chlorooctane	106		"	106		99.2	70-130			
Surrogate: o-Terphenyl	48.0		"	53.2		90.3	70-130			

Batch P2C2311 - * DEFAULT PREP *****

Blank (P2C2311-BLK1)

Prepared: 03/23/22 Analyzed: 03/25/22

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	55.3		"	50.0		111	70-130			

LCS (P2C2311-BS1)

Prepared: 03/23/22 Analyzed: 03/25/22

C6-C12	955	25.0	mg/kg wet	1000		95.5	75-125			
>C12-C28	936	25.0	"	1000		93.6	75-125			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	61.4		"	50.0		123	70-130			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2311 - * DEFAULT PREP *****

LCS Dup (P2C2311-BSD1)

Prepared: 03/23/22 Analyzed: 03/25/22

C6-C12	975	25.0	mg/kg wet	1000		97.5	75-125	2.04	20	
>C12-C28	971	25.0	"	1000		97.1	75-125	3.72	20	
Surrogate: 1-Chlorooctane	129		"	100		129	70-130			
Surrogate: o-Terphenyl	64.0		"	50.0		128	70-130			

Calibration Check (P2C2311-CCV1)

Prepared: 03/23/22 Analyzed: 03/24/22

C6-C12	511	25.0	mg/kg wet	500		102	85-115			
>C12-C28	463	25.0	"	500		92.7	85-115			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	56.3		"	50.0		113	70-130			

Calibration Check (P2C2311-CCV2)

Prepared: 03/23/22 Analyzed: 03/25/22

C6-C12	530	25.0	mg/kg wet	500		106	85-115			
>C12-C28	495	25.0	"	500		99.0	85-115			
Surrogate: 1-Chlorooctane	123		"	100		123	70-130			
Surrogate: o-Terphenyl	61.9		"	50.0		124	70-130			

Matrix Spike (P2C2311-MS1)

Source: 2C21006-04

Prepared: 03/23/22 Analyzed: 03/25/22

C6-C12	974	29.1	mg/kg dry	1160	11.3	82.8	75-125			
>C12-C28	946	29.1	"	1160	ND	81.4	75-125			
Surrogate: 1-Chlorooctane	121		"	116		104	70-130			
Surrogate: o-Terphenyl	57.4		"	58.1		98.7	70-130			

Matrix Spike Dup (P2C2311-MSD1)

Source: 2C21006-04

Prepared: 03/23/22 Analyzed: 03/25/22

C6-C12	979	29.1	mg/kg dry	1160	11.3	83.2	75-125	0.519	20	
>C12-C28	930	29.1	"	1160	ND	80.0	75-125	1.70	20	
Surrogate: 1-Chlorooctane	119		"	116		102	70-130			
Surrogate: o-Terphenyl	55.0		"	58.1		94.6	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2405 - * DEFAULT PREP *****

Blank (P2C2405-BLK1)

Prepared: 03/24/22 Analyzed: 03/25/22

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	56.6		"	50.0		113	70-130			

LCS (P2C2405-BS1)

Prepared: 03/24/22 Analyzed: 03/25/22

C6-C12	1000	25.0	mg/kg wet	1000		100	75-125			
>C12-C28	985	25.0	"	1000		98.5	75-125			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	63.6		"	50.0		127	70-130			

LCS Dup (P2C2405-BSD1)

Prepared: 03/24/22 Analyzed: 03/25/22

C6-C12	1000	25.0	mg/kg wet	1000		100	75-125	0.148	20	
>C12-C28	985	25.0	"	1000		98.5	75-125	0.0284	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	62.3		"	50.0		125	70-130			

Calibration Check (P2C2405-CCV1)

Prepared: 03/24/22 Analyzed: 03/25/22

C6-C12	533	25.0	mg/kg wet	500		107	85-115			
>C12-C28	507	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	57.7		"	50.0		115	70-130			

Calibration Check (P2C2405-CCV2)

Prepared: 03/24/22 Analyzed: 03/25/22

C6-C12	529	25.0	mg/kg wet	500		106	85-115			
>C12-C28	513	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	58.8		"	50.0		118	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2C2405 - * DEFAULT PREP *****

Matrix Spike (P2C2405-MS1)

Source: 2C21006-43

Prepared: 03/24/22 Analyzed: 03/26/22

C6-C12	935	26.9	mg/kg dry	1080	18.8	85.2	75-125			
>C12-C28	952	26.9	"	1080	16.6	87.0	75-125			
Surrogate: 1-Chlorooctane	126		"	108		117	70-130			
Surrogate: o-Terphenyl	57.4		"	53.8		107	70-130			

Matrix Spike Dup (P2C2405-MSD1)

Source: 2C21006-43

Prepared: 03/24/22 Analyzed: 03/26/22

C6-C12	920	26.9	mg/kg dry	1080	18.8	83.8	75-125	1.71	20	
>C12-C28	957	26.9	"	1080	16.6	87.4	75-125	0.515	20	
Surrogate: 1-Chlorooctane	131		"	108		122	70-130			
Surrogate: o-Terphenyl	57.8		"	53.8		107	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

Notes and Definitions

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

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 3/28/2022

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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

Larson & Associates, Inc.

Project: Hayhurst Pond 2

P.O. Box 50685

Project Number: 22-0107-01

Midland TX, 79710

Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

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

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

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

CHAIN-OF-CUSTODY

1770

Page 90 of 96

TRRP report? ☐ Yes ☒ No

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

MST/WM

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FIELD NOTES

[illegible]

17

THE

☐ CARRIER BILL # _____

☐ HAND DELIVERED

Released to Imaging: 10/16/2023 2:02:43 PM

No 17771

Marson & Associates, Inc.
Environmental Consultants

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

CHAIN-OF-CUSTODY

DATE: 3-21-22

PAGE 2 OF 5

PO#:

LAB WORK ORDER# 1621005

PROJECT LOCATION OR NAME: Hayhurst Pond 2

LAI PROJECT #: 22-0107-01

COLLECTOR: TP + JTR

Data Reported to:

TRRP report?
☐ Yes ☒ No

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

TIME ZONE:
Time zone/State:

MST/MM

Field Sample I.D.

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX/AMTBE ☐TPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐GASOLINE MOD 8015 ☐DIESEL - MOD 8015 ☐OIL - MOD 8015 ☐VOC 8260 ☐SVOC 8270 ☐8081 PESTICIDES ☐8082 PESTICIDES ☐TCPP - METALS (RCRA) ☐TOTAL METALS (RCRA) ☐LEAD - TOTAL ☐RCI ☐TDS ☐TOX ☐TSS ☐PH ☐EXPLOSIVES ☐CHLORIDE ANIONS ☐ALKALINITY ☐CYANIDE ☐OTHER LIST ☐FLASHPOINT ☐D.W. 200.8 ☐TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐TCLP - D.W. 200.8 ☐TCLP - TCLP ☐TCLP - METALS (RCRA) ☐TCLP - PEST ☐TCLP - HERB ☐TCLP - SEMI-VOC ☐TCLP - OTHER ☐TCLP - CYANIDE ☐TCLP - ALKALINITY ☐TCLP - FLASHPOINT ☐

Associates, Inc.
Environmental Consultants

LA PROJECT #: 22-0101-01 COLLECTOR: 1PFCN

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

Lab #	Date	Time
-------	------	------

of Containers

 HNO_3 H_2SO_4

ICE

LINE

ANALYSES
TEXT
PH

ANALYSES

BTEX	MTBE	TPH 1005	TPH 1006
TPH 418.1			
GASOLINE MOD 8015			
DIESEL - MOD 8015			
OIL - MOD 8015			
VOC 8260			
SVOC 871			
8015			

GASOLINE MOD 8015 ☐ TPH 1005 ☐ TPH 1006 ☐
 DIESEL - MOD 8015 ☐
 OIL - MOD 8015 ☐
 VOC 8260 ☐
 SVOC 87 ☐

8081 PESTICIDES ☐ PAH 8270 ☐ HOLDPAH ☐
8082 PCBs ☐ 8151 HERBICIDES ☐
TCLP - METALS (RCRA) ☐
TCLP - PEST ☐
TOTAL METALS ☐
LEACHING ☐

[illegible]

FIELD NO. _____

FIELD NOTES

Station	Depth	Time	Lat	Long	Temp	Wind	Wave	Cloud	Notes
S-17	5'	46	3/17/22	1002	5	1			X
S-1	1'	47		1100					X
S-1	3'	48		1101					X
S-1	5'	49		1102					X
S-2	1'	50		1130					X
S-2	3'	51		1131					X
S-2	5'	52		1132					X
S-2	7	53		1133					X
S-4	1'	54		1230					X
S-4	3'	55		1231					X
S-4	5'	56		1232					X
S-4	6'	57		1233					X
S-6	1'	58		1430					X
S-6	3'	59		1431					X
TOTAL	14								

DATE/TIME

RECEIVED BY: Signature

DATE/TIME

RECEIVED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

Category	U.S. should take action (%)	U.S. should not take action (%)
18-29	85	15
30-49	75	25
50-69	65	35
70+	55	45
High School	60	40
College	70	30
Graduate	80	20

Age Group	U.S. should take action (%)	U.S. should not take action (%)
18-29	85	15
30-49	82	18
50-69	88	12
70+	92	8

TURN AROUND TIME

NORMAL

1 DAY ☐2 DAY ☐OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP. 77.1
13.1

100

CUSTOMER SEALS - ☒ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL #

☐ HAND DELIVERED

Page 93 of 96

Varson & Associates, Inc.
Environmental Consultants

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

CHAIN-OF-CUSTODY

No 17774

Data Reported to:

DATE: 3/21/22 PAGE 5 OF 5
PO#: 2021005 LAB WORK ORDER#
PROJECT LOCATION OR NAME: Hayhurst Parcel 2
LAI PROJECT #: 22-0107-01 COLLECTOR: TP+JR

TRRP report?
☐ Yes ☒ No

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

TIME ZONE:
Time zone/State:
MST/MM

Field
Sample I.D.

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX ☒ MTBE ☐
TPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☒
DIESEL - MOD 8015 ☒
OIL - MOD 8015 ☒
VOC 8260 ☐
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
TCIP - METALS (RCRA) ☐ TCIP - VOC ☐
TCIP - PEST ☐ HERB ☐ OTHER LIST ☐
TOTAL METALS (RCRA) ☐ D.W. 200.8 ☐ TCIP ☐
LEAD - TOTAL ☐ FLASHPOINT ☐
RCI ☐ TOX ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
TDS ☐ HEXAVALENT CHROMIUM ☐
PH ☐ EXPLOSIVES ☐ PCHLORATE ☐
CHLORIDE ANIONS ☐ ALKALINITY ☐

FIELD NOTES

5-6 51
5-6 101

60

3/17/22

1432

5

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

TOTAL 2

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: PBKL

TURN AROUND TIME

NORMAL ☒

1 DAY ☐

2 DAY ☐

OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP: 13.1

THERM#:

CF41

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL #

HAND DELIVERED



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

Sample Receipt Checklist

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

Login Notes: 202 1C21005

PBEL_SAMPLE_CHECKLIST_2021_1

Page 1 of 2



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

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

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

PBEL_SAMPLE_CHECKLIST_2021_1

Page 2 of 2

PRIMA

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

Sample Receipt Checklist

Yes	Notes
☒	Chain of custody signed/dated/time when relinquished and received?
☒	Was there a holding pursuant to COC for all samples?
☒	Samplers name present on COC?
☒	Each and every sample was sealed and labeled?
☒	Sample containers intact?
☒	Can any seals used for sample bottles?
☒	Samples in proper container/bottle?
☒	Were any samples done in protected area?
☒	All samples received within holding time?
☒	Can any be used within appropriate holding time?
☒	Analysis requested for all samples submitted?
☒	Shipping container/cooler adequately cooled?
☒	Custody seals intact on shipping container/cooler?

Login Notes:

202

1C21005

PBEL_SAMPLE_CHECKLIST_2021_1

Page 1 of 2

BRAB

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

SAMPLE VARIANCE/NON-CONFORMANCE

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

Client Contacted

Name:

Date/Time:

NC Initiated by:

Approved by:

PBEL_SAMPLE_CHECKLIST_2021_1

Page 2 of 2



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1869-1

Laboratory Sample Delivery Group: 21-0107-01

Client Project/Site: Breakwater Energy Hayhurst Pond 2

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:
2/1/2022 6:08:08 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.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: Breakwater Energy Hayhurst Pond 2

Laboratory Job ID: 890-1869-1
SDG: 21-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Qualifiers

GC VOA

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

GC Semi VOA

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

Glossary

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

Eurofins Carlsbad

Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Job ID: 890-1869-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-1869-1**

Receipt

The samples were received on 1/25/2022 3:26 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 21.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-17864 and analytical batch 880-17868 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4 .5' (890-1869-7), S-7 1' (890-1869-14), S-8 .5' (890-1869-15) and S-10 .5' (890-1869-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-11 1' (890-1869-22), S-12 .5' (890-1869-23), S-12 1' (890-1869-24), S-13 1' (890-1869-26), S-14 .5' (890-1869-27), S-14 1' (890-1869-28), S-15 .5' (890-1869-29), S-15 1' (890-1869-30), S-16 .5' (890-1869-31), S-17 .5' (890-1869-33), S-18 1' (890-1869-36), S-19 .5' (890-1869-37), S-21 .5' (890-1869-41), S-22 .5' (890-1869-43), S-22 1' (890-1869-44), S-23 1' (890-1869-46), S-24 .5' (890-1869-47), S-24 1' (890-1869-48), S-25 .5' (890-1869-49), S-25 1' (890-1869-50), S-26 .5' (890-1869-51) and S-26 1' (890-1869-52). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-17873 and analytical batch 880-17866 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-17863, 880-17863 and 880-17886 and analytical batch 880-17867 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-31 1' (890-1869-62), (LCSD 880-17886/2-A), (880-10599-A-4-B MS), (880-10599-A-4-C MSD) and (880-10654-A-21-B 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.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-17947/3-A), (880-10593-A-21-D MS) and (880-10593-A-21-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 .5' (890-1869-1), S-5 1' (890-1869-10), (MB 880-18062/1-A) and (890-1869-A-1-I MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-18103 and analytical batch 880-18110 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (MB 880-18103/1-A), (890-1869-A-41-G MS) and (890-1869-A-41-H MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-18102 and analytical batch 880-18115 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Job ID: 890-1869-1 (Continued)**Laboratory: Eurofins Carlsbad (Continued)**

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-18102 and analytical batch 880-18115 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28)

Method 8015MOD_NM: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-18105 and analytical batch 880-18112 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28). These analytes were biased high in the LCS however, the RPD was in therefore the data was qualified and reported.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18105 and analytical batch 880-18112 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory sample control laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-10637-A-115-B MS) and (880-10637-A-115-C 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-17960 and analytical batch 880-18070 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_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-17961 and analytical batch 880-18075 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_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-17959 and analytical batch 880-18071 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_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-17962 and analytical batch 880-18076 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_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-17959 and analytical batch 880-18071 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: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-1 .5'

Lab Sample ID: 890-1869-1

Date Collected: 01/25/22 08:00

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F2 F1	0.00201	mg/Kg		01/27/22 08:11	01/28/22 03:26	1
Toluene	<0.00201	U F2 F1	0.00201	mg/Kg		01/27/22 08:11	01/28/22 03:26	1
Ethylbenzene	<0.00201	U F2 F1	0.00201	mg/Kg		01/27/22 08:11	01/28/22 03:26	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402	mg/Kg		01/27/22 08:11	01/28/22 03:26	1
o-Xylene	<0.00201	U F2 F1	0.00201	mg/Kg		01/27/22 08:11	01/28/22 03:26	1
Xylenes, Total	<0.00402	U F2 F1	0.00402	mg/Kg		01/27/22 08:11	01/28/22 03:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	01/27/22 08:11	01/28/22 03:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/27/22 08:11	01/28/22 03:26	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/28/22 22:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/28/22 22:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/28/22 22:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	69	S1-	70 - 130	01/28/22 14:42	01/28/22 22:41	1
o-Terphenyl (Surr)	80		70 - 130	01/28/22 14:42	01/28/22 22:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8670	F1	50.0	mg/Kg			01/30/22 15:21	10

Client Sample ID: S-1 1'

Lab Sample ID: 890-1869-2

Date Collected: 01/25/22 08:01

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 03:47	1
Toluene	0.00297		0.00200	mg/Kg		01/27/22 08:11	01/28/22 03:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 03:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 03:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 03:47	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 03:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	01/27/22 08:11	01/28/22 03:47	1

Eurofins Carlsbad

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-1 1'

Lab Sample ID: 890-1869-2

Date Collected: 01/25/22 08:01

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	01/27/22 08:11	01/28/22 03:47	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/28/22 23:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/28/22 23:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/28/22 23:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130			01/28/22 14:42	01/28/22 23:49	1
o-Terphenyl (Surr)	83		70 - 130			01/28/22 14:42	01/28/22 23:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3510		49.9	mg/Kg			01/30/22 15:56	10

Client Sample ID: S-2 .5'

Lab Sample ID: 890-1869-3

Date Collected: 01/25/22 08:05

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 04:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 04:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 04:07	1
m-Xylene & p-Xylene	0.00522		0.00398	mg/Kg		01/27/22 08:11	01/28/22 04:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 04:07	1
Xylenes, Total	0.00522		0.00398	mg/Kg		01/27/22 08:11	01/28/22 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	01/27/22 08:11	01/28/22 04:07	1
1,4-Difluorobenzene (Surr)	71		70 - 130	01/27/22 08:11	01/28/22 04:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00522		0.00398	mg/Kg			02/01/22 16:53	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			01/31/22 13:01	1

Eurofins Carlsbad

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-2 .5'

Lab Sample ID: 890-1869-3

Date Collected: 01/25/22 08:05

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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		01/28/22 14:42	01/29/22 00:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 00:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 00:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130			01/28/22 14:42	01/29/22 00:11	1
o-Terphenyl (Surr)	85		70 - 130			01/28/22 14:42	01/29/22 00:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8080		49.8	mg/Kg			01/30/22 16:08	10

Client Sample ID: S-2 1'

Lab Sample ID: 890-1869-4

Date Collected: 01/25/22 08:06

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 04:27	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 04:27	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 04:27	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		01/27/22 08:11	01/28/22 04:27	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 04:27	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		01/27/22 08:11	01/28/22 04:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			01/27/22 08:11	01/28/22 04:27	1
1,4-Difluorobenzene (Surr)	95		70 - 130			01/27/22 08:11	01/28/22 04:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			02/01/22 16:53	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			01/31/22 13:01	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		01/28/22 14:42	01/29/22 00:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 00:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 00:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			01/28/22 14:42	01/29/22 00:34	1
o-Terphenyl (Surr)	102		70 - 130			01/28/22 14:42	01/29/22 00:34	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-2 1'

Lab Sample ID: 890-1869-4

Date Collected: 01/25/22 08:06

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2370		49.5	mg/Kg			01/30/22 16:20	10

Client Sample ID: S-3 .5'

Lab Sample ID: 890-1869-5

Date Collected: 01/25/22 08:10

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 04:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 04:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 04:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 04:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 04:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 04:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			01/27/22 08:11	01/28/22 04:48	1
1,4-Difluorobenzene (Surr)	96		70 - 130			01/27/22 08:11	01/28/22 04:48	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 00:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 00:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 00:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130			01/28/22 14:42	01/29/22 00:57	1
o-Terphenyl (Surr)	97		70 - 130			01/28/22 14:42	01/29/22 00:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7810		50.1	mg/Kg			01/30/22 16:32	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-3 1'

Lab Sample ID: 890-1869-6

Date Collected: 01/25/22 08:11

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 05:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 05:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 05:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/27/22 08:11	01/28/22 05:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 05:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/22 08:11	01/28/22 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	01/27/22 08:11	01/28/22 05:08	1
1,4-Difluorobenzene (Surr)	102		70 - 130	01/27/22 08:11	01/28/22 05:08	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			02/01/22 16:53	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			01/31/22 13:01	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		01/28/22 14:42	01/29/22 01:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 01:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130	01/28/22 14:42	01/29/22 01:20	1
o-Terphenyl (Surr)	83		70 - 130	01/28/22 14:42	01/29/22 01:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1150		24.9	mg/Kg			01/30/22 17:07	5

Client Sample ID: S-4 .5'

Lab Sample ID: 890-1869-7

Date Collected: 01/25/22 08:15

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 05:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 05:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 05:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 05:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 05:29	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 05:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	01/27/22 08:11	01/28/22 05:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-4 .5'

Lab Sample ID: 890-1869-7

Date Collected: 01/25/22 08:15

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	113		70 - 130	01/27/22 08:11	01/28/22 05:29	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 01:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 01:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 01:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130			01/28/22 14:42	01/29/22 01:43	1
o-Terphenyl (Surr)	87		70 - 130			01/28/22 14:42	01/29/22 01:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5640		49.9	mg/Kg			01/30/22 17:19	10

Client Sample ID: S-4 1'

Lab Sample ID: 890-1869-8

Date Collected: 01/25/22 08:16

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 05:49	1
Toluene	0.00198		0.00198	mg/Kg		01/27/22 08:11	01/28/22 05:49	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 05:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		01/27/22 08:11	01/28/22 05:49	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 05:49	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/27/22 08:11	01/28/22 05:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	01/27/22 08:11	01/28/22 05:49	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/27/22 08:11	01/28/22 05:49	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			02/01/22 16:53	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			01/31/22 13:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-4 1'

Lab Sample ID: 890-1869-8

Date Collected: 01/25/22 08:16

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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		01/28/22 14:42	01/29/22 02:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 02:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 02:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			01/28/22 14:42	01/29/22 02:05	1
o-Terphenyl (Surr)	101		70 - 130			01/28/22 14:42	01/29/22 02:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	695		25.0	mg/Kg			01/30/22 17:31	5

Client Sample ID: S-5 .5'

Lab Sample ID: 890-1869-9

Date Collected: 01/25/22 08:20

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 06:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 06:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 06:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 06:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 06:09	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 06:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			01/27/22 08:11	01/28/22 06:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130			01/27/22 08:11	01/28/22 06:09	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			02/01/22 16:53	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			01/31/22 13:01	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		01/28/22 14:42	01/29/22 02:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 02:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 02:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			01/28/22 14:42	01/29/22 02:29	1
o-Terphenyl (Surr)	94		70 - 130			01/28/22 14:42	01/29/22 02:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-5 .5'

Lab Sample ID: 890-1869-9

Date Collected: 01/25/22 08:20

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1940		49.5	mg/Kg			01/30/22 17:43	10

Client Sample ID: S-5 1'

Lab Sample ID: 890-1869-10

Date Collected: 01/25/22 08:21

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 06:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 06:30	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 06:30	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		01/27/22 08:11	01/28/22 06:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 06:30	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		01/27/22 08:11	01/28/22 06:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130			01/27/22 08:11	01/28/22 06:30	1
1,4-Difluorobenzene (Surr)	104		70 - 130			01/27/22 08:11	01/28/22 06:30	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 02:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 02:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 02:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	67	S1-	70 - 130			01/28/22 14:42	01/29/22 02:51	1
o-Terphenyl (Surr)	77		70 - 130			01/28/22 14:42	01/29/22 02:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.1		4.98	mg/Kg			01/30/22 17:55	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-6 .5'

Lab Sample ID: 890-1869-11

Date Collected: 01/25/22 08:25

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 08:20	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 08:20	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 08:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 08:20	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 08:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 08:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	01/27/22 08:11	01/28/22 08:20	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/27/22 08:11	01/28/22 08:20	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			02/01/22 16:53	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			01/31/22 13:01	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		01/28/22 14:42	01/29/22 03:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 03:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	01/28/22 14:42	01/29/22 03:37	1
o-Terphenyl (Surr)	90		70 - 130	01/28/22 14:42	01/29/22 03:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9460	F1	49.9	mg/Kg			01/30/22 18:07	10

Client Sample ID: S-6 1'

Lab Sample ID: 890-1869-12

Date Collected: 01/25/22 08:26

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 08:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 08:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 08:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 08:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 08:41	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 08:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	01/27/22 08:11	01/28/22 08:41	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-6 1'

Lab Sample ID: 890-1869-12

Date Collected: 01/25/22 08:26

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	80		70 - 130	01/27/22 08:11	01/28/22 08:41	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			02/01/22 16:53	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			01/31/22 13:01	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		01/28/22 14:42	01/29/22 03:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 03:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 03:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			01/28/22 14:42	01/29/22 03:59	1
o-Terphenyl (Surr)	113		70 - 130			01/28/22 14:42	01/29/22 03:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1760		25.2	mg/Kg			01/30/22 18:42	5

Client Sample ID: S-7 .5'

Lab Sample ID: 890-1869-13

Date Collected: 01/25/22 08:30

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 09:01	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 09:01	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 09:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 09:01	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 09:01	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 09:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/27/22 08:11	01/28/22 09:01	1
1,4-Difluorobenzene (Surr)	85		70 - 130	01/27/22 08:11	01/28/22 09:01	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			02/01/22 16:53	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			01/31/22 13:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-7 .5'

Lab Sample ID: 890-1869-13

Date Collected: 01/25/22 08:30

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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		01/28/22 14:42	01/29/22 04:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 04:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 04:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130			01/28/22 14:42	01/29/22 04:21	1
o-Terphenyl (Surr)	98		70 - 130			01/28/22 14:42	01/29/22 04:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	682		50.1	mg/Kg			01/30/22 18:54	10

Client Sample ID: S-7 1'

Lab Sample ID: 890-1869-14

Date Collected: 01/25/22 08:31

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 09:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 09:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 09:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 09:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 09:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 09:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130			01/27/22 08:11	01/28/22 09:21	1
1,4-Difluorobenzene (Surr)	104		70 - 130			01/27/22 08:11	01/28/22 09:21	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			02/01/22 16:53	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			01/31/22 13:01	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		01/28/22 14:42	01/29/22 04:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 04:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/29/22 04:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			01/28/22 14:42	01/29/22 04:44	1
o-Terphenyl (Surr)	103		70 - 130			01/28/22 14:42	01/29/22 04:44	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-7 1'

Lab Sample ID: 890-1869-14

Date Collected: 01/25/22 08:31

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.85		4.98	mg/Kg			01/30/22 19:30	1

Client Sample ID: S-8 .5'

Lab Sample ID: 890-1869-15

Date Collected: 01/25/22 08:35

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 09:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 09:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 09:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 09:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 09:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 09:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130			01/27/22 08:11	01/28/22 09:42	1
1,4-Difluorobenzene (Surr)	103		70 - 130			01/27/22 08:11	01/28/22 09:42	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 05:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 05:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 05:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			01/28/22 14:42	01/29/22 05:06	1
o-Terphenyl (Surr)	103		70 - 130			01/28/22 14:42	01/29/22 05:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	387		4.95	mg/Kg			01/31/22 15:20	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-8 1'

Lab Sample ID: 890-1869-16

Date Collected: 01/25/22 08:36

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 10:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 10:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 10:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 10:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 10:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:11	01/28/22 10:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	01/27/22 08:11	01/28/22 10:02	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/27/22 08:11	01/28/22 10:02	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 05:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 05:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/28/22 14:42	01/29/22 05:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	01/28/22 14:42	01/29/22 05:27	1
o-Terphenyl (Surr)	104		70 - 130	01/28/22 14:42	01/29/22 05:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4		5.05	mg/Kg			01/30/22 19:53	1

Client Sample ID: S-9 .5'

Lab Sample ID: 890-1869-17

Date Collected: 01/25/22 08:40

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 10:23	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 10:23	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 10:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 10:23	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 10:23	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 10:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	01/27/22 08:11	01/28/22 10:23	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-9 .5'

Lab Sample ID: 890-1869-17

Date Collected: 01/25/22 08:40

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	01/27/22 08:11	01/28/22 10:23	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			02/01/22 16:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.7		49.9	mg/Kg			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:28	01/31/22 14:48	1
Diesel Range Organics (Over C10-C28)	63.7	*+	49.9	mg/Kg		01/31/22 08:28	01/31/22 14:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:28	01/31/22 14:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			01/31/22 08:28	01/31/22 14:48	1
o-Terphenyl (Surr)	94		70 - 130			01/31/22 08:28	01/31/22 14:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		24.9	mg/Kg			01/30/22 20:05	5

Client Sample ID: S-9 1'

Lab Sample ID: 890-1869-18

Date Collected: 01/25/22 08:41

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 10:43	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 10:43	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 10:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		01/27/22 08:11	01/28/22 10:43	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:11	01/28/22 10:43	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		01/27/22 08:11	01/28/22 10:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	01/27/22 08:11	01/28/22 10:43	1
1,4-Difluorobenzene (Surr)	100		70 - 130	01/27/22 08:11	01/28/22 10:43	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			02/01/22 16:53	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			01/31/22 13:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-9 1'

Lab Sample ID: 890-1869-18

Date Collected: 01/25/22 08:41

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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		01/31/22 08:28	01/31/22 15:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/31/22 08:28	01/31/22 15:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:28	01/31/22 15:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			01/31/22 08:28	01/31/22 15:09	1
o-Terphenyl (Surr)	86		70 - 130			01/31/22 08:28	01/31/22 15:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.06		4.99	mg/Kg			01/30/22 20:17	1

Client Sample ID: S-10 .5'

Lab Sample ID: 890-1869-19

Date Collected: 01/25/22 08:45

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 11:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 11:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 11:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 11:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 11:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 11:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130			01/27/22 08:11	01/28/22 11:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130			01/27/22 08:11	01/28/22 11:04	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			02/01/22 16:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.0		49.9	mg/Kg			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:28	01/31/22 15:30	1
Diesel Range Organics (Over C10-C28)	64.0	**	49.9	mg/Kg		01/31/22 08:28	01/31/22 15:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:28	01/31/22 15:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			01/31/22 08:28	01/31/22 15:30	1
o-Terphenyl (Surr)	96		70 - 130			01/31/22 08:28	01/31/22 15:30	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-10 .5'

Lab Sample ID: 890-1869-19

Date Collected: 01/25/22 08:45

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		49.5	mg/Kg			01/30/22 20:29	10

Client Sample ID: S-10 1'

Lab Sample ID: 890-1869-20

Date Collected: 01/25/22 08:46

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 11:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 11:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 11:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 11:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:11	01/28/22 11:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:11	01/28/22 11:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130			01/27/22 08:11	01/28/22 11:24	1
1,4-Difluorobenzene (Surr)	91		70 - 130			01/27/22 08:11	01/28/22 11:24	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:28	01/31/22 15:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U +	49.9	mg/Kg		01/31/22 08:28	01/31/22 15:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:28	01/31/22 15:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			01/31/22 08:28	01/31/22 15:51	1
o-Terphenyl (Surr)	101		70 - 130			01/31/22 08:28	01/31/22 15:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4020		49.8	mg/Kg			01/30/22 20:41	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-11 .5'

Lab Sample ID: 890-1869-21

Date Collected: 01/25/22 08:50

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 14:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 14:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 14:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/27/22 08:17	01/27/22 14:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 14:41	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/27/22 08:17	01/27/22 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	01/27/22 08:17	01/27/22 14:41	1
1,4-Difluorobenzene (Surr)	75		70 - 130	01/27/22 08:17	01/27/22 14:41	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 12:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U **1	49.9	mg/Kg		01/31/22 08:13	01/31/22 12:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	01/31/22 08:13	01/31/22 12:13	1
o-Terphenyl (Surr)	105		70 - 130	01/31/22 08:13	01/31/22 12:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110	F1	4.99	mg/Kg			01/31/22 19:59	1

Client Sample ID: S-11 1'

Lab Sample ID: 890-1869-22

Date Collected: 01/25/22 08:51

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 15:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 15:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 15:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:17	01/27/22 15:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 15:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:17	01/27/22 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	01/27/22 08:17	01/27/22 15:08	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-11 1'

Lab Sample ID: 890-1869-22

Date Collected: 01/25/22 08:51

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	01/27/22 08:17	01/27/22 15:08	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 13:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		01/31/22 08:13	01/31/22 13:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 13:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			01/31/22 08:13	01/31/22 13:16	1
o-Terphenyl (Surr)	94		70 - 130			01/31/22 08:13	01/31/22 13:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		24.9	mg/Kg			01/30/22 18:30	5

Client Sample ID: S-12 .5'

Lab Sample ID: 890-1869-23

Date Collected: 01/25/22 08:55

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 15:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 15:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 15:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 15:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 15:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	01/27/22 08:17	01/27/22 15:34	1
1,4-Difluorobenzene (Surr)	114		70 - 130	01/27/22 08:17	01/27/22 15:34	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			02/01/22 16:53	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			01/31/22 13:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-12 .5'

Lab Sample ID: 890-1869-23

Date Collected: 01/25/22 08:55

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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		01/31/22 08:13	01/31/22 13:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0	mg/Kg		01/31/22 08:13	01/31/22 13:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 13:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			01/31/22 08:13	01/31/22 13:37	1
o-Terphenyl (Surr)	104		70 - 130			01/31/22 08:13	01/31/22 13:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11200		50.1	mg/Kg			01/30/22 18:37	10

Client Sample ID: S-12 1'

Lab Sample ID: 890-1869-24

Date Collected: 01/25/22 08:56

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 16:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 16:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 16:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 16:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 16:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 16:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130			01/27/22 08:17	01/27/22 16:00	1
1,4-Difluorobenzene (Surr)	109		70 - 130			01/27/22 08:17	01/27/22 16:00	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			02/01/22 16:53	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			01/31/22 13:01	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		01/31/22 08:13	01/31/22 13:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0	mg/Kg		01/31/22 08:13	01/31/22 13:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 13:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			01/31/22 08:13	01/31/22 13:58	1
o-Terphenyl (Surr)	98		70 - 130			01/31/22 08:13	01/31/22 13:58	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-12 1'

Lab Sample ID: 890-1869-24

Date Collected: 01/25/22 08:56

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		25.3	mg/Kg			01/30/22 19:00	5

Client Sample ID: S-13 .5'

Lab Sample ID: 890-1869-25

Date Collected: 01/25/22 09:00

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 16:26	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 16:26	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 16:26	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		01/27/22 08:17	01/27/22 16:26	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 16:26	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		01/27/22 08:17	01/27/22 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			01/27/22 08:17	01/27/22 16:26	1
1,4-Difluorobenzene (Surr)	95		70 - 130			01/27/22 08:17	01/27/22 16:26	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 14:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		01/31/22 08:13	01/31/22 14:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 14:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			01/31/22 08:13	01/31/22 14:18	1
o-Terphenyl (Surr)	104		70 - 130			01/31/22 08:13	01/31/22 14:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	393		4.98	mg/Kg			01/31/22 20:21	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-13 1'

Lab Sample ID: 890-1869-26

Date Collected: 01/25/22 09:01

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 16:52	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 16:52	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 16:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		01/27/22 08:17	01/27/22 16:52	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 16:52	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/27/22 08:17	01/27/22 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	01/27/22 08:17	01/27/22 16:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/27/22 08:17	01/27/22 16:52	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			02/01/22 16:53	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			01/31/22 13:01	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		01/31/22 08:13	01/31/22 14:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U **1	50.0	mg/Kg		01/31/22 08:13	01/31/22 14:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	01/31/22 08:13	01/31/22 14:39	1
o-Terphenyl (Surr)	99		70 - 130	01/31/22 08:13	01/31/22 14:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		5.00	mg/Kg			01/30/22 19:15	1

Client Sample ID: S-14 .5'

Lab Sample ID: 890-1869-27

Date Collected: 01/25/22 09:05

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 17:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 17:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 17:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:17	01/27/22 17:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 17:19	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:17	01/27/22 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	01/27/22 08:17	01/27/22 17:19	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-14 .5'

Lab Sample ID: 890-1869-27

Date Collected: 01/25/22 09:05

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130	01/27/22 08:17	01/27/22 17:19	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		01/31/22 08:13	01/31/22 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 15:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			01/31/22 08:13	01/31/22 15:00	1
o-Terphenyl (Surr)	113		70 - 130			01/31/22 08:13	01/31/22 15:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.9		4.99	mg/Kg			01/31/22 20:29	1

Client Sample ID: S-14 1'

Lab Sample ID: 890-1869-28

Date Collected: 01/25/22 09:06

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 17:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 17:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 17:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 17:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 17:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	01/27/22 08:17	01/27/22 17:46	1
1,4-Difluorobenzene (Surr)	112		70 - 130	01/27/22 08:17	01/27/22 17:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/01/22 16:53	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			01/31/22 13:14	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-14 1'

Lab Sample ID: 890-1869-28

Date Collected: 01/25/22 09:06

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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		01/31/22 08:13	01/31/22 15:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0	mg/Kg		01/31/22 08:13	01/31/22 15:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 15:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			01/31/22 08:13	01/31/22 15:21	1
o-Terphenyl (Surr)	102		70 - 130			01/31/22 08:13	01/31/22 15:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.02	mg/Kg			01/30/22 19:30	1

Client Sample ID: S-15 .5'

Lab Sample ID: 890-1869-29

Date Collected: 01/25/22 09:10

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 18:13	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 18:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 18:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 18:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 18:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 18:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130			01/27/22 08:17	01/27/22 18:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130			01/27/22 08:17	01/27/22 18:13	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			02/01/22 16:53	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			01/31/22 13:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 15:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0	mg/Kg		01/31/22 08:13	01/31/22 15:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 15:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			01/31/22 08:13	01/31/22 15:42	1
o-Terphenyl (Surr)	92		70 - 130			01/31/22 08:13	01/31/22 15:42	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-15 .5'

Lab Sample ID: 890-1869-29

Date Collected: 01/25/22 09:10

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	625		5.00	mg/Kg			01/31/22 16:29	1

Client Sample ID: S-15 1'

Lab Sample ID: 890-1869-30

Date Collected: 01/25/22 09:11

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 18:40	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 18:40	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 18:40	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		01/27/22 08:17	01/27/22 18:40	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 18:40	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		01/27/22 08:17	01/27/22 18:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130			01/27/22 08:17	01/27/22 18:40	1
1,4-Difluorobenzene (Surr)	98		70 - 130			01/27/22 08:17	01/27/22 18:40	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			02/01/22 16:53	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			01/31/22 13:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 16:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		01/31/22 08:13	01/31/22 16:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 16:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/31/22 08:13	01/31/22 16:03	1
o-Terphenyl (Surr)	96		70 - 130			01/31/22 08:13	01/31/22 16:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		24.9	mg/Kg			01/29/22 18:49	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-16 .5'

Lab Sample ID: 890-1869-31

Date Collected: 01/25/22 09:15

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 20:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 20:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 20:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 20:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 20:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	238	S1+	70 - 130	01/27/22 08:17	01/27/22 20:26	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/27/22 08:17	01/27/22 20:26	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			02/01/22 16:53	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			01/31/22 13:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 16:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U **1	50.0	mg/Kg		01/31/22 08:13	01/31/22 16:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	01/31/22 08:13	01/31/22 16:44	1
o-Terphenyl (Surr)	105		70 - 130	01/31/22 08:13	01/31/22 16:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		24.8	mg/Kg			01/29/22 19:01	5

Client Sample ID: S-16 1'

Lab Sample ID: 890-1869-32

Date Collected: 01/25/22 09:16

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 20:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 20:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 20:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:17	01/27/22 20:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 20:53	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:17	01/27/22 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	01/27/22 08:17	01/27/22 20:53	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-16 1'

Lab Sample ID: 890-1869-32

Date Collected: 01/25/22 09:16

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	01/27/22 08:17	01/27/22 20:53	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			02/01/22 16:53	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			01/31/22 13:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 17:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		01/31/22 08:13	01/31/22 17:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 17:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			01/31/22 08:13	01/31/22 17:06	1
o-Terphenyl (Surr)	97		70 - 130			01/31/22 08:13	01/31/22 17:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		24.9	mg/Kg			01/29/22 19:13	5

Client Sample ID: S-17 .5'

Lab Sample ID: 890-1869-33

Date Collected: 01/25/22 09:20

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 21:20	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 21:20	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 21:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 21:20	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 21:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130	01/27/22 08:17	01/27/22 21:20	1
1,4-Difluorobenzene (Surr)	79		70 - 130	01/27/22 08:17	01/27/22 21:20	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			02/01/22 16:53	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			01/31/22 13:14	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-17 .5'

Lab Sample ID: 890-1869-33

Date Collected: 01/25/22 09:20

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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		01/31/22 08:13	01/31/22 17:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9	mg/Kg		01/31/22 08:13	01/31/22 17:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 17:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			01/31/22 08:13	01/31/22 17:27	1
o-Terphenyl (Surr)	99		70 - 130			01/31/22 08:13	01/31/22 17:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		25.2	mg/Kg			01/29/22 19:25	5

Client Sample ID: S-17 1'

Lab Sample ID: 890-1869-34

Date Collected: 01/25/22 09:21

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 21:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 21:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 21:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:17	01/27/22 21:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 21:47	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:17	01/27/22 21:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			01/27/22 08:17	01/27/22 21:47	1
1,4-Difluorobenzene (Surr)	105		70 - 130			01/27/22 08:17	01/27/22 21:47	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			02/01/22 16:53	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			01/31/22 13:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 17:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0	mg/Kg		01/31/22 08:13	01/31/22 17:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 17:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			01/31/22 08:13	01/31/22 17:47	1
o-Terphenyl (Surr)	101		70 - 130			01/31/22 08:13	01/31/22 17:47	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-17 1'

Lab Sample ID: 890-1869-34

Date Collected: 01/25/22 09:21

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2220		49.8	mg/Kg			01/29/22 19:37	10

Client Sample ID: S-18 .5'

Lab Sample ID: 890-1869-35

Date Collected: 01/25/22 09:25

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 22:14	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 22:14	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 22:14	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		01/27/22 08:17	01/27/22 22:14	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/27/22 08:17	01/27/22 22:14	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		01/27/22 08:17	01/27/22 22:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			01/27/22 08:17	01/27/22 22:14	1
1,4-Difluorobenzene (Surr)	99		70 - 130			01/27/22 08:17	01/27/22 22:14	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			02/01/22 16:53	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			01/31/22 13:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		01/31/22 08:13	01/31/22 18:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 18:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			01/31/22 08:13	01/31/22 18:08	1
o-Terphenyl (Surr)	101		70 - 130			01/31/22 08:13	01/31/22 18:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190	F1	25.0	mg/Kg			01/29/22 19:49	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-18 1'

Lab Sample ID: 890-1869-36

Date Collected: 01/25/22 09:26

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 22:40	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 22:40	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 22:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 22:40	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 22:40	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	01/27/22 08:17	01/27/22 22:40	1
1,4-Difluorobenzene (Surr)	111		70 - 130	01/27/22 08:17	01/27/22 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			02/01/22 16:53	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			01/31/22 13:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 18:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U **1	49.9	mg/Kg		01/31/22 08:13	01/31/22 18:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:13	01/31/22 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	01/31/22 08:13	01/31/22 18:29	1
o-Terphenyl (Surr)	97		70 - 130	01/31/22 08:13	01/31/22 18:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	706		49.6	mg/Kg			01/30/22 11:47	10

Client Sample ID: S-19 .5'

Lab Sample ID: 890-1869-37

Date Collected: 01/25/22 09:30

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 23:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 23:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 23:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 23:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/27/22 23:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/27/22 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	01/27/22 08:17	01/27/22 23:07	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-19 .5'

Lab Sample ID: 890-1869-37

Date Collected: 01/25/22 09:30

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	115		70 - 130	01/27/22 08:17	01/27/22 23:07	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			02/01/22 16:53	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			01/31/22 13:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 18:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		01/31/22 08:13	01/31/22 18:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 18:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			01/31/22 08:13	01/31/22 18:50	1
o-Terphenyl (Surr)	104		70 - 130			01/31/22 08:13	01/31/22 18:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.7		4.98	mg/Kg			01/30/22 11:59	1

Client Sample ID: S-19 1'

Lab Sample ID: 890-1869-38

Date Collected: 01/25/22 09:31

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 23:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 23:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 23:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/27/22 08:17	01/27/22 23:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 23:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/22 08:17	01/27/22 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	01/27/22 08:17	01/27/22 23:34	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/27/22 08:17	01/27/22 23:34	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			02/01/22 16:53	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			01/31/22 13:14	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-19 1'

Lab Sample ID: 890-1869-38

Date Collected: 01/25/22 09:31

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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		01/31/22 08:13	01/31/22 19:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0	mg/Kg		01/31/22 08:13	01/31/22 19:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 19:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			01/31/22 08:13	01/31/22 19:10	1
o-Terphenyl (Surr)	99		70 - 130			01/31/22 08:13	01/31/22 19:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		5.04	mg/Kg			01/30/22 12:35	1

Client Sample ID: S-20 .5'

Lab Sample ID: 890-1869-39

Date Collected: 01/25/22 09:35

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/28/22 00:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/28/22 00:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/28/22 00:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:17	01/28/22 00:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/28/22 00:01	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:17	01/28/22 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			01/27/22 08:17	01/28/22 00:01	1
1,4-Difluorobenzene (Surr)	101		70 - 130			01/27/22 08:17	01/28/22 00:01	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			02/01/22 16:53	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			01/31/22 13:01	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		01/31/22 08:13	01/31/22 19:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0	mg/Kg		01/31/22 08:13	01/31/22 19:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 19:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/31/22 08:13	01/31/22 19:31	1
o-Terphenyl (Surr)	101		70 - 130			01/31/22 08:13	01/31/22 19:31	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-20 .5'

Lab Sample ID: 890-1869-39

Date Collected: 01/25/22 09:35

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		25.1	mg/Kg			01/30/22 12:46	5

Client Sample ID: S-20 1'

Lab Sample ID: 890-1869-40

Date Collected: 01/25/22 09:36

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/28/22 00:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/28/22 00:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/28/22 00:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/28/22 00:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:17	01/28/22 00:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:17	01/28/22 00:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130			01/27/22 08:17	01/28/22 00:28	1
1,4-Difluorobenzene (Surr)	105		70 - 130			01/27/22 08:17	01/28/22 00:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/01/22 16:53	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			01/31/22 13:01	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		01/31/22 08:13	01/31/22 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		01/31/22 08:13	01/31/22 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 19:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			01/31/22 08:13	01/31/22 19:52	1
o-Terphenyl (Surr)	99		70 - 130			01/31/22 08:13	01/31/22 19:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1680		49.8	mg/Kg			01/30/22 12:58	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-21 .5'

Lab Sample ID: 890-1869-41

Date Collected: 01/25/22 09:40

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198	mg/Kg		01/27/22 08:57	01/28/22 04:30	1
Toluene	<0.00198	U F2 F1	0.00198	mg/Kg		01/27/22 08:57	01/28/22 04:30	1
Ethylbenzene	<0.00198	U F2 F1	0.00198	mg/Kg		01/27/22 08:57	01/28/22 04:30	1
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.00397	mg/Kg		01/27/22 08:57	01/28/22 04:30	1
o-Xylene	<0.00198	U F2 F1	0.00198	mg/Kg		01/27/22 08:57	01/28/22 04:30	1
Xylenes, Total	<0.00397	U F2 F1	0.00397	mg/Kg		01/27/22 08:57	01/28/22 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	01/27/22 08:57	01/28/22 04:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/27/22 08:57	01/28/22 04:30	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:21	01/31/22 12:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9	mg/Kg		01/31/22 08:21	01/31/22 12:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:21	01/31/22 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	01/31/22 08:21	01/31/22 12:21	1
o-Terphenyl (Surr)	86		70 - 130	01/31/22 08:21	01/31/22 12:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4840		50.5	mg/Kg			02/01/22 15:14	10

Client Sample ID: S-21 1'

Lab Sample ID: 890-1869-42

Date Collected: 01/25/22 09:41

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 04:57	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 04:57	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 04:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 04:57	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 04:57	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	01/27/22 08:57	01/28/22 04:57	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-21 1'

Lab Sample ID: 890-1869-42

Date Collected: 01/25/22 09:41

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	01/27/22 08:57	01/28/22 04:57	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:21	01/31/22 14:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9	mg/Kg		01/31/22 08:21	01/31/22 14:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:21	01/31/22 14:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			01/31/22 08:21	01/31/22 14:28	1
o-Terphenyl (Surr)	91		70 - 130			01/31/22 08:21	01/31/22 14:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.1		4.97	mg/Kg			01/30/22 13:22	1

Client Sample ID: S-22 .5'

Lab Sample ID: 890-1869-43

Date Collected: 01/25/22 09:45

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 05:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 05:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 05:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 05:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 05:24	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	01/27/22 08:57	01/28/22 05:24	1
1,4-Difluorobenzene (Surr)	104		70 - 130	01/27/22 08:57	01/28/22 05:24	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			02/01/22 16:53	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			01/31/22 13:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-22 .5'

Lab Sample ID: 890-1869-43

Date Collected: 01/25/22 09:45

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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		01/31/22 08:21	01/31/22 14:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/31/22 08:21	01/31/22 14:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:21	01/31/22 14:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			01/31/22 08:21	01/31/22 14:48	1
o-Terphenyl (Surr)	85		70 - 130			01/31/22 08:21	01/31/22 14:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2990		24.8	mg/Kg			02/01/22 15:26	5

Client Sample ID: S-22 1'

Lab Sample ID: 890-1869-44

Date Collected: 01/25/22 09:46

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 05:51	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 05:51	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 05:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 05:51	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 05:51	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 05:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130			01/27/22 08:57	01/28/22 05:51	1
1,4-Difluorobenzene (Surr)	106		70 - 130			01/27/22 08:57	01/28/22 05:51	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			02/01/22 16:53	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			01/31/22 13:01	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		01/31/22 08:21	01/31/22 15:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/31/22 08:21	01/31/22 15:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:21	01/31/22 15:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			01/31/22 08:21	01/31/22 15:09	1
o-Terphenyl (Surr)	89		70 - 130			01/31/22 08:21	01/31/22 15:09	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-22 1'

Lab Sample ID: 890-1869-44

Date Collected: 01/25/22 09:46

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3130		99.8	mg/Kg			01/30/22 13:46	20

Client Sample ID: S-23 .5'

Lab Sample ID: 890-1869-45

Date Collected: 01/25/22 09:50

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/27/22 08:57	01/28/22 06:18	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/27/22 08:57	01/28/22 06:18	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/27/22 08:57	01/28/22 06:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/27/22 08:57	01/28/22 06:18	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/27/22 08:57	01/28/22 06:18	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/27/22 08:57	01/28/22 06:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			01/27/22 08:57	01/28/22 06:18	1
1,4-Difluorobenzene (Surr)	99		70 - 130			01/27/22 08:57	01/28/22 06:18	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:21	01/31/22 15:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U +	49.9	mg/Kg		01/31/22 08:21	01/31/22 15:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:21	01/31/22 15:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			01/31/22 08:21	01/31/22 15:30	1
o-Terphenyl (Surr)	85		70 - 130			01/31/22 08:21	01/31/22 15:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	261	F1	24.9	mg/Kg			01/29/22 23:16	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-23 1'

Lab Sample ID: 890-1869-46

Date Collected: 01/25/22 09:51

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 06:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 06:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 06:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 06:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 06:45	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	01/27/22 08:57	01/28/22 06:45	1
1,4-Difluorobenzene (Surr)	107		70 - 130	01/27/22 08:57	01/28/22 06:45	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			02/01/22 16:53	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			01/31/22 13:01	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		01/31/22 08:21	01/31/22 15:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0	mg/Kg		01/31/22 08:21	01/31/22 15:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:21	01/31/22 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130	01/31/22 08:21	01/31/22 15:51	1
o-Terphenyl (Surr)	77		70 - 130	01/31/22 08:21	01/31/22 15:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5680		24.8	mg/Kg			01/29/22 23:39	5

Client Sample ID: S-24 .5'

Lab Sample ID: 890-1869-47

Date Collected: 01/25/22 09:55

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 09:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 09:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 09:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 09:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 09:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 09:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	01/27/22 08:57	01/28/22 09:10	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-24 .5'

Lab Sample ID: 890-1869-47

Date Collected: 01/25/22 09:55

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	01/27/22 08:57	01/28/22 09:10	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:21	01/31/22 16:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		01/31/22 08:21	01/31/22 16:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:21	01/31/22 16:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			01/31/22 08:21	01/31/22 16:12	1
o-Terphenyl (Surr)	80		70 - 130			01/31/22 08:21	01/31/22 16:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8550		50.4	mg/Kg			02/01/22 11:45	10

Client Sample ID: S-24 1'

Lab Sample ID: 890-1869-48

Date Collected: 01/25/22 09:56

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 09:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 09:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 09:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 09:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 09:38	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 09:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	01/27/22 08:57	01/28/22 09:38	1
1,4-Difluorobenzene (Surr)	108		70 - 130	01/27/22 08:57	01/28/22 09:38	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			02/01/22 16:53	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			01/31/22 13:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-24 1'

Lab Sample ID: 890-1869-48

Date Collected: 01/25/22 09:56

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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		01/31/22 08:21	01/31/22 16:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/31/22 08:21	01/31/22 16:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:21	01/31/22 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			01/31/22 08:21	01/31/22 16:54	1
o-Terphenyl (Surr)	92		70 - 130			01/31/22 08:21	01/31/22 16:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.1		4.99	mg/Kg			01/29/22 23:54	1

Client Sample ID: S-25 .5'

Lab Sample ID: 890-1869-49

Date Collected: 01/25/22 10:00

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 10:06	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 10:06	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 10:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 10:06	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 10:06	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 10:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130			01/27/22 08:57	01/28/22 10:06	1
1,4-Difluorobenzene (Surr)	110		70 - 130			01/27/22 08:57	01/28/22 10:06	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			02/01/22 16:53	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			01/31/22 13:01	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		01/31/22 08:21	01/31/22 17:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/31/22 08:21	01/31/22 17:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:21	01/31/22 17:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			01/31/22 08:21	01/31/22 17:15	1
o-Terphenyl (Surr)	87		70 - 130			01/31/22 08:21	01/31/22 17:15	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-25 .5'

Lab Sample ID: 890-1869-49

Date Collected: 01/25/22 10:00

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	339		24.9	mg/Kg			01/30/22 00:02	5

Client Sample ID: S-25 1'

Lab Sample ID: 890-1869-50

Date Collected: 01/25/22 10:01

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 10:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 10:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 10:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 10:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 10:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 10:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130			01/27/22 08:57	01/28/22 10:34	1
1,4-Difluorobenzene (Surr)	109		70 - 130			01/27/22 08:57	01/28/22 10:34	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/22 08:21	01/31/22 17:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9	mg/Kg		01/31/22 08:21	01/31/22 17:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/22 08:21	01/31/22 17:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			01/31/22 08:21	01/31/22 17:36	1
o-Terphenyl (Surr)	82		70 - 130			01/31/22 08:21	01/31/22 17:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.4		5.00	mg/Kg			01/30/22 00:24	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-26 .5'

Lab Sample ID: 890-1869-51

Date Collected: 01/25/22 10:05

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 12:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 12:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 12:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 12:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 12:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	01/27/22 08:57	01/28/22 12:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/27/22 08:57	01/28/22 12:25	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			02/01/22 16:53	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			01/31/22 13:01	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		01/31/22 08:21	01/31/22 17:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0	mg/Kg		01/31/22 08:21	01/31/22 17:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:21	01/31/22 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130	01/31/22 08:21	01/31/22 17:57	1
o-Terphenyl (Surr)	81		70 - 130	01/31/22 08:21	01/31/22 17:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		4.95	mg/Kg			01/30/22 00:32	1

Client Sample ID: S-26 1'

Lab Sample ID: 890-1869-52

Date Collected: 01/25/22 10:06

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 12:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 12:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 12:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 12:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 12:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	01/27/22 08:57	01/28/22 12:53	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-26 1'

Lab Sample ID: 890-1869-52

Date Collected: 01/25/22 10:06

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106		70 - 130	01/27/22 08:57	01/28/22 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			02/01/22 16:53	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			01/31/22 13:01	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		01/31/22 08:21	01/31/22 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		01/31/22 08:21	01/31/22 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:21	01/31/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130			01/31/22 08:21	01/31/22 18:18	1
o-Terphenyl (Surr)	81		70 - 130			01/31/22 08:21	01/31/22 18:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.7		4.97	mg/Kg			01/30/22 00:39	1

Client Sample ID: S-27 .5'

Lab Sample ID: 890-1869-53

Date Collected: 01/25/22 10:10

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 13:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 13:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 13:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 13:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 13:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	01/27/22 08:57	01/28/22 13:21	1
1,4-Difluorobenzene (Surr)	102		70 - 130	01/27/22 08:57	01/28/22 13:21	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			02/01/22 16:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	98.5		50.0	mg/Kg			01/31/22 13:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-27 .5'

Lab Sample ID: 890-1869-53

Date Collected: 01/25/22 10:10

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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		01/27/22 15:00	01/28/22 00:58	1
Diesel Range Organics (Over C10-C28)	98.5		50.0	mg/Kg		01/27/22 15:00	01/28/22 00:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 00:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			01/27/22 15:00	01/28/22 00:58	1
o-Terphenyl (Surr)	106		70 - 130			01/27/22 15:00	01/28/22 00:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		25.0	mg/Kg			01/30/22 00:47	5

Client Sample ID: S-27 1'

Lab Sample ID: 890-1869-54

Date Collected: 01/25/22 10:11

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 13:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 13:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 13:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 13:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 13:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130			01/27/22 08:57	01/28/22 13:48	1
1,4-Difluorobenzene (Surr)	106		70 - 130			01/27/22 08:57	01/28/22 13:48	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			02/01/22 16:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.0		49.9	mg/Kg			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 01:19	1
Diesel Range Organics (Over C10-C28)	61.0		49.9	mg/Kg		01/27/22 15:00	01/28/22 01:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			01/27/22 15:00	01/28/22 01:19	1
o-Terphenyl (Surr)	85		70 - 130			01/27/22 15:00	01/28/22 01:19	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-27 1'

Lab Sample ID: 890-1869-54

Date Collected: 01/25/22 10:11

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		5.00	mg/Kg			01/31/22 20:59	1

Client Sample ID: S-28 .5;

Lab Sample ID: 890-1869-55

Date Collected: 01/25/22 10:15

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 14:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 14:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 14:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/27/22 08:57	01/28/22 14:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 14:16	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/27/22 08:57	01/28/22 14:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130			01/27/22 08:57	01/28/22 14:16	1
1,4-Difluorobenzene (Surr)	110		70 - 130			01/27/22 08:57	01/28/22 14:16	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			02/01/22 16:53	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			01/31/22 13:01	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		01/27/22 15:00	01/28/22 02:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 02:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 02:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			01/27/22 15:00	01/28/22 02:00	1
o-Terphenyl (Surr)	96		70 - 130			01/27/22 15:00	01/28/22 02:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5180		24.9	mg/Kg			02/01/22 11:52	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-28 1'

Lab Sample ID: 890-1869-56

Date Collected: 01/25/22 10:16

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/27/22 08:57	01/28/22 14:43	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/27/22 08:57	01/28/22 14:43	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/27/22 08:57	01/28/22 14:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		01/27/22 08:57	01/28/22 14:43	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/27/22 08:57	01/28/22 14:43	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/27/22 08:57	01/28/22 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	01/27/22 08:57	01/28/22 14:43	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/27/22 08:57	01/28/22 14:43	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			02/01/22 16:53	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			01/31/22 13:01	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		01/27/22 15:00	01/28/22 02:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 02:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	01/27/22 15:00	01/28/22 02:21	1
o-Terphenyl (Surr)	95		70 - 130	01/27/22 15:00	01/28/22 02:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1950		25.1	mg/Kg			02/01/22 12:15	5

Client Sample ID: S-29 .5'

Lab Sample ID: 890-1869-57

Date Collected: 01/25/22 10:20

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 15:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 15:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 15:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 15:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 15:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	01/27/22 08:57	01/28/22 15:11	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-29 .5'

Lab Sample ID: 890-1869-57

Date Collected: 01/25/22 10:20

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130	01/27/22 08:57	01/28/22 15:11	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 02:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 02:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 02:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			01/27/22 15:00	01/28/22 02:41	1
o-Terphenyl (Surr)	98		70 - 130			01/27/22 15:00	01/28/22 02:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	661		4.99	mg/Kg			01/31/22 21:37	1

Client Sample ID: S-29 1'

Lab Sample ID: 890-1869-58

Date Collected: 01/25/22 10:21

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 15:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 15:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 15:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 15:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 15:39	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/27/22 08:57	01/28/22 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	01/27/22 08:57	01/28/22 15:39	1
1,4-Difluorobenzene (Surr)	111		70 - 130	01/27/22 08:57	01/28/22 15:39	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			02/01/22 16:53	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			01/31/22 13:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-29 1'

Lab Sample ID: 890-1869-58

Date Collected: 01/25/22 10:21

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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		01/27/22 15:00	01/28/22 03:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 03:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 03:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			01/27/22 15:00	01/28/22 03:02	1
o-Terphenyl (Surr)	92		70 - 130			01/27/22 15:00	01/28/22 03:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.2		4.98	mg/Kg			01/31/22 21:45	1

Client Sample ID: S-30 .5'

Lab Sample ID: 890-1869-59

Date Collected: 01/25/22 10:25

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 16:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 16:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 16:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 16:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/27/22 08:57	01/28/22 16:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/27/22 08:57	01/28/22 16:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130			01/27/22 08:57	01/28/22 16:07	1
1,4-Difluorobenzene (Surr)	104		70 - 130			01/27/22 08:57	01/28/22 16:07	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 03:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 03:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 03:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			01/27/22 15:00	01/28/22 03:22	1
o-Terphenyl (Surr)	92		70 - 130			01/27/22 15:00	01/28/22 03:22	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-30 .5'

Lab Sample ID: 890-1869-59

Date Collected: 01/25/22 10:25

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3960		50.0	mg/Kg			01/30/22 02:02	10

Client Sample ID: S-30 1'

Lab Sample ID: 890-1869-60

Date Collected: 01/25/22 10:26

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 16:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 16:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 16:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/27/22 08:57	01/28/22 16:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 16:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/22 08:57	01/28/22 16:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130			01/27/22 08:57	01/28/22 16:35	1
1,4-Difluorobenzene (Surr)	104		70 - 130			01/27/22 08:57	01/28/22 16:35	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			02/01/22 16:53	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			01/31/22 13:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 03:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 03:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/27/22 15:00	01/28/22 03:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			01/27/22 15:00	01/28/22 03:42	1
o-Terphenyl (Surr)	95		70 - 130			01/27/22 15:00	01/28/22 03:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11400		49.5	mg/Kg			01/30/22 02:10	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-31 .5'

Lab Sample ID: 890-1869-61

Date Collected: 01/25/22 10:30

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: .5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/27/22 08:03	01/27/22 14:45	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/27/22 08:03	01/27/22 14:45	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/27/22 08:03	01/27/22 14:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/27/22 08:03	01/27/22 14:45	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/27/22 08:03	01/27/22 14:45	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/27/22 08:03	01/27/22 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	01/27/22 08:03	01/27/22 14:45	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/27/22 08:03	01/27/22 14:45	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			02/01/22 16:53	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			01/31/22 13:01	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		01/27/22 15:00	01/28/22 04:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 04:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 04:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	01/27/22 15:00	01/28/22 04:03	1
o-Terphenyl (Surr)	105		70 - 130	01/27/22 15:00	01/28/22 04:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	503		4.96	mg/Kg			01/30/22 02:17	1

Client Sample ID: S-31 1'

Lab Sample ID: 890-1869-62

Date Collected: 01/25/22 10:31

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/27/22 08:03	01/27/22 15:05	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/27/22 08:03	01/27/22 15:05	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/27/22 08:03	01/27/22 15:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		01/27/22 08:03	01/27/22 15:05	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/27/22 08:03	01/27/22 15:05	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/27/22 08:03	01/27/22 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	01/27/22 08:03	01/27/22 15:05	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-31 1'

Lab Sample ID: 890-1869-62

Date Collected: 01/25/22 10:31

Matrix: Solid

Date Received: 01/25/22 15:26

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106		70 - 130	01/27/22 08:03	01/27/22 15:05	1

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			02/01/22 16:53	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			01/31/22 13:01	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		01/27/22 15:00	01/28/22 04:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 04:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/28/22 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	01/27/22 15:00	01/28/22 04:22	1
o-Terphenyl (Surr)	95		70 - 130	01/27/22 15:00	01/28/22 04:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2480		24.9	mg/Kg			01/30/22 02:25	5

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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)
880-10599-A-4-B MS	Matrix Spike	70	57 S1-
880-10599-A-4-C MSD	Matrix Spike Duplicate	162 S1+	91
890-1869-1	S-1 .5'	133 S1+	99
890-1869-1 MS	S-1 .5'	124	94
890-1869-1 MSD	S-1 .5'	137 S1+	91
890-1869-2	S-1 1'	131 S1+	95
890-1869-3	S-2 .5'	82	71
890-1869-4	S-2 1'	130	95
890-1869-5	S-3 .5'	120	96
890-1869-6	S-3 1'	124	102
890-1869-7	S-4 .5'	148 S1+	113
890-1869-8	S-4 1'	122	91
890-1869-9	S-5 .5'	113	101
890-1869-10	S-5 1'	132 S1+	104
890-1869-11	S-6 .5'	136 S1+	105
890-1869-12	S-6 1'	86	80
890-1869-13	S-7 .5'	112	85
890-1869-14	S-7 1'	147 S1+	104
890-1869-15	S-8 .5'	137 S1+	103
890-1869-16	S-8 1'	122	94
890-1869-17	S-9 .5'	128	105
890-1869-18	S-9 1'	115	100
890-1869-19	S-10 .5'	144 S1+	103
890-1869-20	S-10 1'	74	91
890-1869-21	S-11 .5'	132 S1+	75
890-1869-21 MS	S-11 .5'	116	99
890-1869-21 MSD	S-11 .5'	111	118
890-1869-22	S-11 1'	153 S1+	105
890-1869-23	S-12 .5'	143 S1+	114
890-1869-24	S-12 1'	136 S1+	109
890-1869-25	S-13 .5'	129	95
890-1869-26	S-13 1'	138 S1+	105
890-1869-27	S-14 .5'	137 S1+	104
890-1869-28	S-14 1'	144 S1+	112
890-1869-29	S-15 .5'	135 S1+	98
890-1869-30	S-15 1'	136 S1+	98
890-1869-31	S-16 .5'	238 S1+	116
890-1869-32	S-16 1'	125	97
890-1869-33	S-17 .5'	192 S1+	79
890-1869-34	S-17 1'	123	105
890-1869-35	S-18 .5'	119	99
890-1869-36	S-18 1'	136 S1+	111
890-1869-37	S-19 .5'	146 S1+	115
890-1869-38	S-19 1'	128	103
890-1869-39	S-20 .5'	118	101
890-1869-40	S-20 1'	133 S1+	105
890-1869-41	S-21 .5'	149 S1+	94
890-1869-41 MS	S-21 .5'	153 S1+	86
890-1869-41 MSD	S-21 .5'	119	105

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 890-1869-1

Project/Site: Breakwater Energy Hayhurst Pond 2

SDG: 21-0107-01

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)
890-1869-42	S-21 1'	129	92
890-1869-43	S-22 .5'	139 S1+	104
890-1869-44	S-22 1'	136 S1+	106
890-1869-45	S-23 .5'	129	99
890-1869-46	S-23 1'	137 S1+	107
890-1869-47	S-24 .5'	140 S1+	100
890-1869-48	S-24 1'	139 S1+	108
890-1869-49	S-25 .5'	147 S1+	110
890-1869-50	S-25 1'	140 S1+	109
890-1869-51	S-26 .5'	150 S1+	101
890-1869-52	S-26 1'	146 S1+	106
890-1869-53	S-27 .5'	144 S1+	102
890-1869-54	S-27 1'	141 S1+	106
890-1869-55	S-28 .5'	151 S1+	110
890-1869-56	S-28 1'	141 S1+	103
890-1869-57	S-29 .5'	134 S1+	104
890-1869-58	S-29 1'	144 S1+	111
890-1869-59	S-30 .5'	151 S1+	104
890-1869-60	S-30 1'	136 S1+	104
890-1869-61	S-31 .5'	121	97
890-1869-62	S-31 1'	134 S1+	106
LCS 880-17863/1-A	Lab Control Sample	108	98
LCS 880-17864/1-A	Lab Control Sample	161 S1+	89
LCS 880-17865/1-A	Lab Control Sample	119	112
LCS 880-17873/1-A	Lab Control Sample	131 S1+	116
LCSD 880-17863/2-A	Lab Control Sample Dup	105	86
LCSD 880-17864/2-A	Lab Control Sample Dup	124	101
LCSD 880-17865/2-A	Lab Control Sample Dup	118	94
LCSD 880-17873/2-A	Lab Control Sample Dup	128	92
MB 880-17863/5-A	Method Blank	104	93
MB 880-17864/5-A	Method Blank	115	99
MB 880-17865/5-A	Method Blank	82	94
MB 880-17873/5-A	Method Blank	86	99
MB 880-17885/5-A	Method Blank	118	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-10593-A-21-D MS	Matrix Spike	74	66 S1-
880-10593-A-21-E MSD	Matrix Spike Duplicate	75	67 S1-
880-10637-A-115-B MS	Matrix Spike	66 S1-	62 S1-
880-10637-A-115-C MSD	Matrix Spike Duplicate	65 S1-	61 S1-
890-1869-1	S-1 .5'	69 S1-	80
890-1869-1 MS	S-1 .5'	71	72

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 890-1869-1

Project/Site: Breakwater Energy Hayhurst Pond 2

SDG: 21-0107-01

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-1869-1 MSD	S-1 .5'	60 S1-	60 S1-
890-1869-2	S-1 1'	73	83
890-1869-3	S-2 .5'	73	85
890-1869-4	S-2 1'	89	102
890-1869-5	S-3 .5'	84	97
890-1869-6	S-3 1'	73	83
890-1869-7	S-4 .5'	75	87
890-1869-8	S-4 1'	87	101
890-1869-9	S-5 .5'	81	94
890-1869-10	S-5 1'	67 S1-	77
890-1869-11	S-6 .5'	79	90
890-1869-12	S-6 1'	95	113
890-1869-13	S-7 .5'	84	98
890-1869-14	S-7 1'	88	103
890-1869-15	S-8 .5'	89	103
890-1869-16	S-8 1'	90	104
890-1869-17	S-9 .5'	88	94
890-1869-18	S-9 1'	83	86
890-1869-19	S-10 .5'	94	96
890-1869-20	S-10 1'	99	101
890-1869-21	S-11 .5'	109	105
890-1869-21 MS	S-11 .5'	92	85
890-1869-21 MSD	S-11 .5'	93	79
890-1869-22	S-11 1'	98	94
890-1869-23	S-12 .5'	108	104
890-1869-24	S-12 1'	104	98
890-1869-25	S-13 .5'	109	104
890-1869-26	S-13 1'	104	99
890-1869-27	S-14 .5'	118	113
890-1869-28	S-14 1'	107	102
890-1869-29	S-15 .5'	97	92
890-1869-30	S-15 1'	103	96
890-1869-31	S-16 .5'	111	105
890-1869-32	S-16 1'	100	97
890-1869-33	S-17 .5'	104	99
890-1869-34	S-17 1'	109	101
890-1869-35	S-18 .5'	106	101
890-1869-36	S-18 1'	102	97
890-1869-37	S-19 .5'	111	104
890-1869-38	S-19 1'	104	99
890-1869-39	S-20 .5'	103	101
890-1869-40	S-20 1'	104	99
890-1869-41	S-21 .5'	80	86
890-1869-41 MS	S-21 .5'	69 S1-	66 S1-
890-1869-41 MSD	S-21 .5'	67 S1-	62 S1-
890-1869-42	S-21 1'	88	91
890-1869-43	S-22 .5'	80	85
890-1869-44	S-22 1'	83	89
890-1869-45	S-23 .5'	81	85
890-1869-46	S-23 1'	74	77

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 890-1869-1

Project/Site: Breakwater Energy Hayhurst Pond 2

SDG: 21-0107-01

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)
890-1869-47	S-24 .5'	76	80
890-1869-48	S-24 1'	87	92
890-1869-49	S-25 .5'	82	87
890-1869-50	S-25 1'	79	82
890-1869-51	S-26 .5'	78	81
890-1869-52	S-26 1'	77	81
890-1869-53	S-27 .5'	104	106
890-1869-54	S-27 1'	85	85
890-1869-55	S-28 .5;	94	96
890-1869-56	S-28 1'	92	95
890-1869-57	S-29 .5'	97	98
890-1869-58	S-29 1'	92	92
890-1869-59	S-30 .5'	91	92
890-1869-60	S-30 1'	93	95
890-1869-61	S-31 .5'	108	105
890-1869-62	S-31 1'	93	95
LCS 880-17947/2-A	Lab Control Sample	126	121
LCS 880-18062/2-A	Lab Control Sample	121	129
LCS 880-18103/2-A	Lab Control Sample	81	76
LCS 880-18105/2-A	Lab Control Sample	86	85
LCSD 880-17947/3-A	Lab Control Sample Dup	144 S1+	137 S1+
LCSD 880-18062/3-A	Lab Control Sample Dup	104	115
LCSD 880-18103/3-A	Lab Control Sample Dup	82	77
LCSD 880-18105/3-A	Lab Control Sample Dup	86	84
MB 880-17947/1-A	Method Blank	117	121
MB 880-18062/1-A	Method Blank	110	132 S1+
MB 880-18103/1-A	Method Blank	67 S1-	72
MB 880-18105/1-A	Method Blank	75	80
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 880-18102/2-A	Lab Control Sample	118	112
LCSD 880-18102/3-A	Lab Control Sample Dup	82	81
MB 880-18102/1-A	Method Blank	90	95
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-17863/5-A

Matrix: Solid

Analysis Batch: 17867

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17863

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:03	01/27/22 11:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:03	01/27/22 11:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:03	01/27/22 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/27/22 08:03	01/27/22 11:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:03	01/27/22 11:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/22 08:03	01/27/22 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	01/27/22 08:03	01/27/22 11:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/27/22 08:03	01/27/22 11:40	1

Lab Sample ID: LCS 880-17863/1-A

Matrix: Solid

Analysis Batch: 17867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07807		mg/Kg		78	70 - 130
Toluene	0.100	0.07443		mg/Kg		74	70 - 130
Ethylbenzene	0.100	0.07762		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	0.200	0.1650		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08230		mg/Kg		82	70 - 130

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

Lab Sample ID: LCSD 880-17863/2-A

Matrix: Solid

Analysis Batch: 17867

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.07959		mg/Kg		80	70 - 130	2	35
Toluene	0.100	0.07701		mg/Kg		77	70 - 130	3	35
Ethylbenzene	0.100	0.08359		mg/Kg		84	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1715		mg/Kg		86	70 - 130	4	35
o-Xylene	0.100	0.08472		mg/Kg		85	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-10599-A-4-B MS

Matrix: Solid

Analysis Batch: 17867

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 17863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1	0.0990	0.01665	F1	mg/Kg		17	70 - 130
Toluene	<0.00198	U F1 F2	0.0990	0.008089	F1	mg/Kg		8	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: 880-10599-A-4-B MS

Matrix: Solid

Analysis Batch: 17867

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 17863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00198	U F1	0.0990	0.01789	F1	mg/Kg		18	70 - 130
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.198	0.02358	F1	mg/Kg		12	70 - 130
o-Xylene	<0.00198	U F1 F2	0.0990	0.04114	F1	mg/Kg		42	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	70		70 - 130
1,4-Difluorobenzene (Surr)	57	S1-	70 - 130

Lab Sample ID: 880-10599-A-4-C MSD

Matrix: Solid

Analysis Batch: 17867

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 17863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.0996	0.01314	F1	mg/Kg		13	70 - 130	24	35
Toluene	<0.00198	U F1 F2	0.0996	0.01615	F1 F2	mg/Kg		16	70 - 130	67	35
Ethylbenzene	<0.00198	U F1	0.0996	0.01992	F1	mg/Kg		20	70 - 130	11	35
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.199	0.04936	F1 F2	mg/Kg		25	70 - 130	71	35
o-Xylene	<0.00198	U F1 F2	0.0996	0.02546	F1 F2	mg/Kg		26	70 - 130	47	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-17864/5-A

Matrix: Solid

Analysis Batch: 17868

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17864

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 02:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 02:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 02:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/27/22 08:11	01/28/22 02:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:11	01/28/22 02:57	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/22 08:11	01/28/22 02:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	01/27/22 08:11	01/28/22 02:57	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/27/22 08:11	01/28/22 02:57	1

Lab Sample ID: LCS 880-17864/1-A

Matrix: Solid

Analysis Batch: 17868

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17864

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07819		mg/Kg		78	70 - 130
Toluene	0.100	0.08888		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.1020		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2003		mg/Kg		100	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: LCS 880-17864/1-A

Matrix: Solid

Analysis Batch: 17868

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17864

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.1097		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-17864/2-A

Matrix: Solid

Analysis Batch: 17868

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17864

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08759		mg/Kg		88	70 - 130	11	35
Toluene	0.100	0.08967		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.09461		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1816		mg/Kg		91	70 - 130	10	35
o-Xylene	0.100	0.09108		mg/Kg		91	70 - 130	19	35

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

Lab Sample ID: 890-1869-1 MS

Matrix: Solid

Analysis Batch: 17868

Client Sample ID: S-1 .5'

Prep Type: Total/NA

Prep Batch: 17864

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00201	U F2 F1	0.101	0.02477	F1	mg/Kg		24	70 - 130
Toluene	<0.00201	U F2 F1	0.101	0.03103	F1	mg/Kg		31	70 - 130
Ethylbenzene	<0.00201	U F2 F1	0.101	0.02976	F1	mg/Kg		28	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.202	0.06296	F1	mg/Kg		30	70 - 130
o-Xylene	<0.00201	U F2 F1	0.101	0.03846	F1	mg/Kg		37	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-1869-1 MSD

Matrix: Solid

Analysis Batch: 17868

Client Sample ID: S-1 .5'

Prep Type: Total/NA

Prep Batch: 17864

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U F2 F1	0.0998	0.04724	F2 F1	mg/Kg		47	70 - 130	62	35
Toluene	<0.00201	U F2 F1	0.0998	0.05025	F2 F1	mg/Kg		50	70 - 130	47	35
Ethylbenzene	<0.00201	U F2 F1	0.0998	0.05621	F2 F1	mg/Kg		55	70 - 130	62	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.1132	F2 F1	mg/Kg		56	70 - 130	57	35
o-Xylene	<0.00201	U F2 F1	0.0998	0.06216	F2 F1	mg/Kg		62	70 - 130	47	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: 890-1869-1 MSD

Matrix: Solid

Analysis Batch: 17868

Client Sample ID: S-1 .5'

Prep Type: Total/NA

Prep Batch: 17864

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-17865/5-A

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17865

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 14:15	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 14:15	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 14:15	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/27/22 08:17	01/27/22 14:15	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:17	01/27/22 14:15	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/22 08:17	01/27/22 14:15	1	
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	82		70 - 130			01/27/22 08:17	01/27/22 14:15	1	
1,4-Difluorobenzene (Surr)	94		70 - 130			01/27/22 08:17	01/27/22 14:15	1	

Lab Sample ID: LCS 880-17865/1-A

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17865

	Spike	LCS	LCS						%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.1056		mg/Kg		106	70 - 130			
Toluene	0.100	0.09080		mg/Kg		91	70 - 130			
Ethylbenzene	0.100	0.09314		mg/Kg		93	70 - 130			
m-Xylene & p-Xylene	0.200	0.2055		mg/Kg		103	70 - 130			
o-Xylene	0.100	0.1096		mg/Kg		110	70 - 130			
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	119		70 - 130							
1,4-Difluorobenzene (Surr)	112		70 - 130							

Lab Sample ID: LCSD 880-17865/2-A

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17865

			Spike	LCSD	LCSD						RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
Benzene			0.100	0.09262		mg/Kg		93		70 - 130	13	35
Toluene			0.100	0.09600		mg/Kg		96		70 - 130	6	35
Ethylbenzene			0.100	0.09702		mg/Kg		97		70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2135		mg/Kg		107		70 - 130	4	35
o-Xylene			0.100	0.1143		mg/Kg		114		70 - 130	4	35
			LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	118		70 - 130									

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: LCSD 880-17865/2-A

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17865

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-1869-21 MS

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: S-11 .5'

Prep Type: Total/NA

Prep Batch: 17865

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-1869-21 MSD

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: S-11 .5'

Prep Type: Total/NA

Prep Batch: 17865

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.08756		mg/Kg					
Toluene	<0.00200	U	0.0994	0.07593		mg/Kg					
Ethylbenzene	<0.00200	U	0.0994	0.08235		mg/Kg					
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1815		mg/Kg					
o-Xylene	<0.00200	U	0.0994	0.09481		mg/Kg					

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: MB 880-17873/5-A

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17873

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 04:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 04:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 04:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/27/22 08:57	01/28/22 04:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 08:57	01/28/22 04:03	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/22 08:57	01/28/22 04:03	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	86		70 - 130	01/27/22 08:57	01/28/22 04:03	1		
1,4-Difluorobenzene (Surr)	99		70 - 130	01/27/22 08:57	01/28/22 04:03	1		

Lab Sample ID: LCS 880-17873/1-A

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17873

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	0.100	0.09948		mg/Kg		99	70 - 130		
Toluene	0.100	0.08561		mg/Kg		86	70 - 130		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: LCS 880-17873/1-A

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17873

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.100	0.08709		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1910		mg/Kg		96	70 - 130
o-Xylene	0.100	0.1041		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: LCSD 880-17873/2-A

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17873

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08857		mg/Kg		89	70 - 130	12	35
Toluene	0.100	0.09080		mg/Kg		91	70 - 130	6	35
Ethylbenzene	0.100	0.09370		mg/Kg		94	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2069		mg/Kg		103	70 - 130	8	35
o-Xylene	0.100	0.1128		mg/Kg		113	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-1869-41 MS

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: S-21 .5'

Prep Type: Total/NA

Prep Batch: 17873

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1	0.0998	0.02096	F1	mg/Kg		21	70 - 130
Toluene	<0.00198	U F2 F1	0.0998	0.01055	F1	mg/Kg		11	70 - 130
Ethylbenzene	<0.00198	U F2 F1	0.0998	0.01128	F1	mg/Kg		11	70 - 130
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.200	0.04094	F1	mg/Kg		21	70 - 130
o-Xylene	<0.00198	U F2 F1	0.0998	0.02288	F1	mg/Kg		23	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 890-1869-41 MSD

Matrix: Solid

Analysis Batch: 17866

Client Sample ID: S-21 .5'

Prep Type: Total/NA

Prep Batch: 17873

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.0994	0.02797	F1	mg/Kg		28	70 - 130	29	35
Toluene	<0.00198	U F2 F1	0.0994	0.02569	F2 F1	mg/Kg		26	70 - 130	84	35
Ethylbenzene	<0.00198	U F2 F1	0.0994	0.02730	F2 F1	mg/Kg		27	70 - 130	83	35
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.199	0.06096	F2 F1	mg/Kg		31	70 - 130	39	35
o-Xylene	<0.00198	U F2 F1	0.0994	0.03537	F2 F1	mg/Kg		36	70 - 130	43	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-17885/5-A

Matrix: Solid

Analysis Batch: 17868

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17885

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/22 10:21	01/27/22 12:39	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/22 10:21	01/27/22 12:39	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/22 10:21	01/27/22 12:39	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/27/22 10:21	01/27/22 12:39	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/22 10:21	01/27/22 12:39	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/22 10:21	01/27/22 12:39	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	118		70 - 130	01/27/22 10:21	01/27/22 12:39	1			
1,4-Difluorobenzene (Surr)	98		70 - 130	01/27/22 10:21	01/27/22 12:39	1			

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

Lab Sample ID: MB 880-17947/1-A

Matrix: Solid

Analysis Batch: 17874

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17947

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/27/22 20:38	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/27/22 20:38	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 15:00	01/27/22 20:38	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane (Surr)	117		70 - 130	01/27/22 15:00	01/27/22 20:38	1			
o-Terphenyl (Surr)	121		70 - 130	01/27/22 15:00	01/27/22 20:38	1			

Lab Sample ID: LCS 880-17947/2-A

Matrix: Solid

Analysis Batch: 17874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17947

			Spike	LCS	LCS				%Rec.
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1132		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)			1000	986.6		mg/Kg		99	70 - 130

	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	126		70 - 130						
o-Terphenyl (Surr)	121		70 - 130						

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: LCSD 880-17947/3-A

Matrix: Solid

Analysis Batch: 17874

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17947

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1248		mg/Kg		125	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1147		mg/Kg		115	70 - 130	15	20
	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	144	S1+	70 - 130						
o-Terphenyl (Surr)	137	S1+	70 - 130						

Lab Sample ID: 880-10593-A-21-D MS

Matrix: Solid

Analysis Batch: 17874

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 17947

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	990.8		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	921.0		mg/Kg		92	70 - 130		
	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	74		70 - 130								
o-Terphenyl (Surr)	66	S1-	70 - 130								

Lab Sample ID: 880-10593-A-21-E MSD

Matrix: Solid

Analysis Batch: 17874

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 17947

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1205		mg/Kg		117	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	972.0		mg/Kg		98	70 - 130	5	20
	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	75		70 - 130								
o-Terphenyl (Surr)	67	S1-	70 - 130								

Lab Sample ID: MB 880-18062/1-A

Matrix: Solid

Analysis Batch: 17977

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18062

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		01/28/22 14:42	01/28/22 21:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/28/22 21:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/28/22 14:42	01/28/22 21:35	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: MB 880-18062/1-A

Matrix: Solid

Analysis Batch: 17977

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18062

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	01/28/22 14:42	01/28/22 21:35	1
o-Terphenyl (Surr)	132	S1+	70 - 130	01/28/22 14:42	01/28/22 21:35	1

Lab Sample ID: LCS 880-18062/2-A

Matrix: Solid

Analysis Batch: 17977

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18062

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	999.0		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1133		mg/Kg		113	70 - 130		

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	121		70 - 130			
o-Terphenyl (Surr)	129		70 - 130			

Lab Sample ID: LCSD 880-18062/3-A

Matrix: Solid

Analysis Batch: 17977

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18062

			Spike	LCSD	LCSD				%Rec.		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	890.9		mg/Kg		89	70 - 130	11	20	
Diesel Range Organics (Over C10-C28)			1000	1001		mg/Kg		100	70 - 130	12	20	

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	104		70 - 130			
o-Terphenyl (Surr)	115		70 - 130			

Lab Sample ID: 890-1869-1 MS

Matrix: Solid

Analysis Batch: 17977

Client Sample ID: S-1 .5'

Prep Type: Total/NA

Prep Batch: 18062

	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	1307		mg/Kg		129	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1256		mg/Kg		124	70 - 130		

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	71		70 - 130			
o-Terphenyl (Surr)	72		70 - 130			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: 890-1869-1 MSD

Matrix: Solid

Analysis Batch: 17977

Client Sample ID: S-1 .5'

Prep Type: Total/NA

Prep Batch: 18062

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1113		mg/Kg		110	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1026		mg/Kg		101	70 - 130	20	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	60	S1-	70 - 130								
o-Terphenyl (Surr)	60	S1-	70 - 130								

Lab Sample ID: MB 880-18102/1-A

Matrix: Solid

Analysis Batch: 18115

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18102

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		01/31/22 08:13	01/31/22 10:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 10:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:13	01/31/22 10:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			01/31/22 08:13	01/31/22 10:40	1
o-Terphenyl (Surr)	95		70 - 130			01/31/22 08:13	01/31/22 10:40	1

Lab Sample ID: LCS 880-18102/2-A

Matrix: Solid

Analysis Batch: 18115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1301		mg/Kg		130	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1603	*+	mg/Kg		160	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	118		70 - 130						
o-Terphenyl (Surr)	112		70 - 130						

Lab Sample ID: LCSD 880-18102/3-A

Matrix: Solid

Analysis Batch: 18115

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18102

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1190		mg/Kg		119	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1122	*1	mg/Kg		112	70 - 130	35	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: LCSD 880-18102/3-A

Matrix: Solid

Analysis Batch: 18115

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18102

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	82		70 - 130
o-Terphenyl (Surr)	81		70 - 130

Lab Sample ID: 890-1869-21 MS

Matrix: Solid

Analysis Batch: 18115

Client Sample ID: S-11 .5'

Prep Type: Total/NA

Prep Batch: 18102

	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	1139		mg/Kg		114	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	997	1022		mg/Kg		103	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	92		70 - 130							
o-Terphenyl (Surr)	85		70 - 130							

Lab Sample ID: 890-1869-21 MSD

Matrix: Solid

Analysis Batch: 18115

Client Sample ID: S-11 .5'

Prep Type: Total/NA

Prep Batch: 18102

	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	996	1158		mg/Kg		116	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	996	1052		mg/Kg		106	70 - 130	3	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	93		70 - 130									
o-Terphenyl (Surr)	79		70 - 130									

Lab Sample ID: MB 880-18103/1-A

Matrix: Solid

Analysis Batch: 18110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18103

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/31/22 08:21	01/31/22 11:07	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/31/22 08:21	01/31/22 11:07	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:21	01/31/22 11:07	1		
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	67	S1-	70 - 130			01/31/22 08:21	01/31/22 11:07	1		
o-Terphenyl (Surr)	72		70 - 130			01/31/22 08:21	01/31/22 11:07	1		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: LCS 880-18103/2-A

Matrix: Solid

Analysis Batch: 18110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18103

Analyte			Spike	LCS	LCS				%Rec.		
			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1250		mg/Kg		125	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1341	*+	mg/Kg		134	70 - 130		
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	81		70 - 130								
o-Terphenyl (Surr)	76		70 - 130								

Lab Sample ID: LCSD 880-18103/3-A

Matrix: Solid

Analysis Batch: 18110

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18103

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1098		mg/Kg		110	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	1137		mg/Kg		114	70 - 130	17	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	82		70 - 130								
o-Terphenyl (Surr)	77		70 - 130								

Lab Sample ID: 890-1869-41 MS

Matrix: Solid

Analysis Batch: 18110

Client Sample ID: S-21 .5'

Prep Type: Total/NA

Prep Batch: 18103

	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	1260		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *+	997	975.6		mg/Kg		96	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	69	S1-	70 - 130								
o-Terphenyl (Surr)	66	S1-	70 - 130								

Lab Sample ID: 890-1869-41 MSD

Matrix: Solid

Analysis Batch: 18110

Client Sample ID: S-21 .5'

Prep Type: Total/NA

Prep Batch: 18103

	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	996	1183		mg/Kg		116	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+	996	930.0		mg/Kg		92	70 - 130	5	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: 890-1869-41 MSD

Matrix: Solid

Analysis Batch: 18110

Client Sample ID: S-21 .5'

Prep Type: Total/NA

Prep Batch: 18103

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	62	S1-	70 - 130

Lab Sample ID: MB 880-18105/1-A

Matrix: Solid

Analysis Batch: 18112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18105

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/31/22 08:28	01/31/22 11:07	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/31/22 08:28	01/31/22 11:07	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/31/22 08:28	01/31/22 11:07	1	
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	75		70 - 130			01/31/22 08:28	01/31/22 11:07	1	
<i>o</i> -Terphenyl (Surr)	80		70 - 130			01/31/22 08:28	01/31/22 11:07	1	

Lab Sample ID: LCS 880-18105/2-A

Matrix: Solid

Analysis Batch: 18112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18105

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10		1000	1112		mg/Kg		111	70 - 130	
Diesel Range Organics (Over C10-C28)		1000	1380	*+	mg/Kg		138	70 - 130	
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	86		70 - 130						
<i>o</i> -Terphenyl (Surr)	85		70 - 130						

Lab Sample ID: LCSD 880-18105/3-A

Matrix: Solid

Analysis Batch: 18112

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18105

		Spike	LCSD	LCSD				%Rec.		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10		1000	978.8		mg/Kg		98	70 - 130	13	20	
Diesel Range Organics (Over C10-C28)		1000	1214		mg/Kg		121	70 - 130	13	20	
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	86		70 - 130								
<i>o</i> -Terphenyl (Surr)	84		70 - 130								

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Lab Sample ID: 880-10637-A-115-B MS

Matrix: Solid

Analysis Batch: 18112

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 18105

	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	1024		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	90.7	*+ F1	997	739.3	F1	mg/Kg		65	70 - 130		

Lab Sample ID: 880-10637-A-115-C MSD

Matrix: Solid

Analysis Batch: 18112

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18105

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	861.7		mg/Kg		83	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	90.7	*+ F1	996	706.0	F1	mg/Kg		62	70 - 130	5	20
		</									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-17960/1-A

Matrix: Solid

Analysis Batch: 18070

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			01/30/22 14:45	1

Lab Sample ID: LCS 880-17960/2-A

Matrix: Solid

Analysis Batch: 18070

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 880-17960/3-A

Matrix: Solid

Analysis Batch: 18070

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	258.6		mg/Kg		103	90 - 110	2	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1869-1 MS

Matrix: Solid

Analysis Batch: 18070

Client Sample ID: S-1 .5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	8670	F1	2500	11540	F1	mg/Kg		115	90 - 110		

Lab Sample ID: 890-1869-1 MSD

Matrix: Solid

Analysis Batch: 18070

Client Sample ID: S-1 .5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8670	F1	2500	11620	F1	mg/Kg		118	90 - 110	1	20

Lab Sample ID: 890-1869-11 MS

Matrix: Solid

Analysis Batch: 18070

Client Sample ID: S-6 .5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	9460	F1	2500	11510	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 890-1869-11 MSD

Matrix: Solid

Analysis Batch: 18070

Client Sample ID: S-6 .5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9460	F1	2500	12080		mg/Kg		105	90 - 110	5	20

Lab Sample ID: MB 880-17959/1-A

Matrix: Solid

Analysis Batch: 18071

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			01/29/22 22:53	1

Lab Sample ID: LCS 880-17959/2-A

Matrix: Solid

Analysis Batch: 18071

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	272.5		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-17959/3-A

Matrix: Solid

Analysis Batch: 18071

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	272.8		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-1869-45 MS

Matrix: Solid

Analysis Batch: 18071

Client Sample ID: S-23 .5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	261	F1	1250	1683	F1	mg/Kg		114	90 - 110		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1869-45 MSD

Matrix: Solid

Analysis Batch: 18071

Client Sample ID: S-23 .5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	261	F1	1250	1654	F1	mg/Kg		112	90 - 110	2	20

Lab Sample ID: 890-1869-55 MS

Matrix: Solid

Analysis Batch: 18071

Client Sample ID: S-28 .5;

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	5180		1250	6651	4	mg/Kg		118	90 - 110		

Lab Sample ID: 890-1869-55 MSD

Matrix: Solid

Analysis Batch: 18071

Client Sample ID: S-28 .5;

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5180		1250	6560	4	mg/Kg		111	90 - 110	1	20

Lab Sample ID: MB 880-17961/1-A

Matrix: Solid

Analysis Batch: 18075

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			01/29/22 15:22	1

Lab Sample ID: LCS 880-17961/2-A

Matrix: Solid

Analysis Batch: 18075

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	247.6		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-17961/3-A

Matrix: Solid

Analysis Batch: 18075

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	246.9		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-1869-35 MS

Matrix: Solid

Analysis Batch: 18075

Client Sample ID: S-18 .5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	190	F1	1250	1255	F1	mg/Kg		85	90 - 110		

Lab Sample ID: 890-1869-35 MSD

Matrix: Solid

Analysis Batch: 18075

Client Sample ID: S-18 .5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	190	F1	1250	1258	F1	mg/Kg		86	90 - 110	0	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-17962/1-A

Matrix: Solid

Analysis Batch: 18076

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			01/30/22 15:57	1

Lab Sample ID: LCS 880-17962/2-A

Matrix: Solid

Analysis Batch: 18076

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	271.8		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-17962/3-A

Matrix: Solid

Analysis Batch: 18076

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	270.5		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 890-1869-21 MS

Matrix: Solid

Analysis Batch: 18076

Client Sample ID: S-11 .5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	110	F1	250	406.3	F1	mg/Kg		119	90 - 110

Lab Sample ID: 890-1869-21 MSD

Matrix: Solid

Analysis Batch: 18076

Client Sample ID: S-11 .5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	110	F1	250	399.0	F1	mg/Kg		116	90 - 110	2	20

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

GC VOA

Prep Batch: 17863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-61	S-31 .5'	Total/NA	Solid	5035	
890-1869-62	S-31 1'	Total/NA	Solid	5035	
MB 880-17863/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17863/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17863/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10599-A-4-B MS	Matrix Spike	Total/NA	Solid	5035	
880-10599-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 17864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-1	S-1 .5'	Total/NA	Solid	5035	
890-1869-2	S-1 1'	Total/NA	Solid	5035	
890-1869-3	S-2 .5'	Total/NA	Solid	5035	
890-1869-4	S-2 1'	Total/NA	Solid	5035	
890-1869-5	S-3 .5'	Total/NA	Solid	5035	
890-1869-6	S-3 1'	Total/NA	Solid	5035	
890-1869-7	S-4 .5'	Total/NA	Solid	5035	
890-1869-8	S-4 1'	Total/NA	Solid	5035	
890-1869-9	S-5 .5'	Total/NA	Solid	5035	
890-1869-10	S-5 1'	Total/NA	Solid	5035	
890-1869-11	S-6 .5'	Total/NA	Solid	5035	
890-1869-12	S-6 1'	Total/NA	Solid	5035	
890-1869-13	S-7 .5'	Total/NA	Solid	5035	
890-1869-14	S-7 1'	Total/NA	Solid	5035	
890-1869-15	S-8 .5'	Total/NA	Solid	5035	
890-1869-16	S-8 1'	Total/NA	Solid	5035	
890-1869-17	S-9 .5'	Total/NA	Solid	5035	
890-1869-18	S-9 1'	Total/NA	Solid	5035	
890-1869-19	S-10 .5'	Total/NA	Solid	5035	
890-1869-20	S-10 1'	Total/NA	Solid	5035	
MB 880-17864/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17864/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17864/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1869-1 MS	S-1 .5'	Total/NA	Solid	5035	
890-1869-1 MSD	S-1 .5'	Total/NA	Solid	5035	

Prep Batch: 17865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-21	S-11 .5'	Total/NA	Solid	5035	
890-1869-22	S-11 1'	Total/NA	Solid	5035	
890-1869-23	S-12 .5'	Total/NA	Solid	5035	
890-1869-24	S-12 1'	Total/NA	Solid	5035	
890-1869-25	S-13 .5'	Total/NA	Solid	5035	
890-1869-26	S-13 1'	Total/NA	Solid	5035	
890-1869-27	S-14 .5'	Total/NA	Solid	5035	
890-1869-28	S-14 1'	Total/NA	Solid	5035	
890-1869-29	S-15 .5'	Total/NA	Solid	5035	
890-1869-30	S-15 1'	Total/NA	Solid	5035	
890-1869-31	S-16 .5'	Total/NA	Solid	5035	
890-1869-32	S-16 1'	Total/NA	Solid	5035	
890-1869-33	S-17 .5'	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

GC VOA (Continued)

Prep Batch: 17865 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-34	S-17 1'	Total/NA	Solid	5035	
890-1869-35	S-18 .5'	Total/NA	Solid	5035	
890-1869-36	S-18 1'	Total/NA	Solid	5035	
890-1869-37	S-19 .5'	Total/NA	Solid	5035	
890-1869-38	S-19 1'	Total/NA	Solid	5035	
890-1869-39	S-20 .5'	Total/NA	Solid	5035	
890-1869-40	S-20 1'	Total/NA	Solid	5035	
MB 880-17865/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17865/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17865/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1869-21 MS	S-11 .5'	Total/NA	Solid	5035	
890-1869-21 MSD	S-11 .5'	Total/NA	Solid	5035	

Analysis Batch: 17866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-21	S-11 .5'	Total/NA	Solid	8021B	17865
890-1869-22	S-11 1'	Total/NA	Solid	8021B	17865
890-1869-23	S-12 .5'	Total/NA	Solid	8021B	17865
890-1869-24	S-12 1'	Total/NA	Solid	8021B	17865
890-1869-25	S-13 .5'	Total/NA	Solid	8021B	17865
890-1869-26	S-13 1'	Total/NA	Solid	8021B	17865
890-1869-27	S-14 .5'	Total/NA	Solid	8021B	17865
890-1869-28	S-14 1'	Total/NA	Solid	8021B	17865
890-1869-29	S-15 .5'	Total/NA	Solid	8021B	17865
890-1869-30	S-15 1'	Total/NA	Solid	8021B	17865
890-1869-31	S-16 .5'	Total/NA	Solid	8021B	17865
890-1869-32	S-16 1'	Total/NA	Solid	8021B	17865
890-1869-33	S-17 .5'	Total/NA	Solid	8021B	17865
890-1869-34	S-17 1'	Total/NA	Solid	8021B	17865
890-1869-35	S-18 .5'	Total/NA	Solid	8021B	17865
890-1869-36	S-18 1'	Total/NA	Solid	8021B	17865
890-1869-37	S-19 .5'	Total/NA	Solid	8021B	17865
890-1869-38	S-19 1'	Total/NA	Solid	8021B	17865
890-1869-39	S-20 .5'	Total/NA	Solid	8021B	17865
890-1869-40	S-20 1'	Total/NA	Solid	8021B	17865
890-1869-41	S-21 .5'	Total/NA	Solid	8021B	17873
890-1869-42	S-21 1'	Total/NA	Solid	8021B	17873
890-1869-43	S-22 .5'	Total/NA	Solid	8021B	17873
890-1869-44	S-22 1'	Total/NA	Solid	8021B	17873
890-1869-45	S-23 .5'	Total/NA	Solid	8021B	17873
890-1869-46	S-23 1'	Total/NA	Solid	8021B	17873
890-1869-47	S-24 .5'	Total/NA	Solid	8021B	17873
890-1869-48	S-24 1'	Total/NA	Solid	8021B	17873
890-1869-49	S-25 .5'	Total/NA	Solid	8021B	17873
890-1869-50	S-25 1'	Total/NA	Solid	8021B	17873
890-1869-51	S-26 .5'	Total/NA	Solid	8021B	17873
890-1869-52	S-26 1'	Total/NA	Solid	8021B	17873
890-1869-53	S-27 .5'	Total/NA	Solid	8021B	17873
890-1869-54	S-27 1'	Total/NA	Solid	8021B	17873
890-1869-55	S-28 .5;	Total/NA	Solid	8021B	17873
890-1869-56	S-28 1'	Total/NA	Solid	8021B	17873

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

GC VOA (Continued)

Analysis Batch: 17866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-57	S-29 .5'	Total/NA	Solid	8021B	17873
890-1869-58	S-29 1'	Total/NA	Solid	8021B	17873
890-1869-59	S-30 .5'	Total/NA	Solid	8021B	17873
890-1869-60	S-30 1'	Total/NA	Solid	8021B	17873
MB 880-17865/5-A	Method Blank	Total/NA	Solid	8021B	17865
MB 880-17873/5-A	Method Blank	Total/NA	Solid	8021B	17873
LCS 880-17865/1-A	Lab Control Sample	Total/NA	Solid	8021B	17865
LCS 880-17873/1-A	Lab Control Sample	Total/NA	Solid	8021B	17873
LCSD 880-17865/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17865
LCSD 880-17873/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17873
890-1869-21 MS	S-11 .5'	Total/NA	Solid	8021B	17865
890-1869-21 MSD	S-11 .5'	Total/NA	Solid	8021B	17865
890-1869-41 MS	S-21 .5'	Total/NA	Solid	8021B	17873
890-1869-41 MSD	S-21 .5'	Total/NA	Solid	8021B	17873

Analysis Batch: 17867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-61	S-31 .5'	Total/NA	Solid	8021B	17863
890-1869-62	S-31 1'	Total/NA	Solid	8021B	17863
MB 880-17863/5-A	Method Blank	Total/NA	Solid	8021B	17863
LCS 880-17863/1-A	Lab Control Sample	Total/NA	Solid	8021B	17863
LCSD 880-17863/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17863
880-10599-A-4-B MS	Matrix Spike	Total/NA	Solid	8021B	17863
880-10599-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	17863

Analysis Batch: 17868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-1	S-1 .5'	Total/NA	Solid	8021B	17864
890-1869-2	S-1 1'	Total/NA	Solid	8021B	17864
890-1869-3	S-2 .5'	Total/NA	Solid	8021B	17864
890-1869-4	S-2 1'	Total/NA	Solid	8021B	17864
890-1869-5	S-3 .5'	Total/NA	Solid	8021B	17864
890-1869-6	S-3 1'	Total/NA	Solid	8021B	17864
890-1869-7	S-4 .5'	Total/NA	Solid	8021B	17864
890-1869-8	S-4 1'	Total/NA	Solid	8021B	17864
890-1869-9	S-5 .5'	Total/NA	Solid	8021B	17864
890-1869-10	S-5 1'	Total/NA	Solid	8021B	17864
890-1869-11	S-6 .5'	Total/NA	Solid	8021B	17864
890-1869-12	S-6 1'	Total/NA	Solid	8021B	17864
890-1869-13	S-7 .5'	Total/NA	Solid	8021B	17864
890-1869-14	S-7 1'	Total/NA	Solid	8021B	17864
890-1869-15	S-8 .5'	Total/NA	Solid	8021B	17864
890-1869-16	S-8 1'	Total/NA	Solid	8021B	17864
890-1869-17	S-9 .5'	Total/NA	Solid	8021B	17864
890-1869-18	S-9 1'	Total/NA	Solid	8021B	17864
890-1869-19	S-10 .5'	Total/NA	Solid	8021B	17864
890-1869-20	S-10 1'	Total/NA	Solid	8021B	17864
MB 880-17864/5-A	Method Blank	Total/NA	Solid	8021B	17864
MB 880-17885/5-A	Method Blank	Total/NA	Solid	8021B	17885
LCS 880-17864/1-A	Lab Control Sample	Total/NA	Solid	8021B	17864
LCSD 880-17864/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17864

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

GC VOA (Continued)

Analysis Batch: 17868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-1 MS	S-1 .5'	Total/NA	Solid	8021B	17864
890-1869-1 MSD	S-1 .5'	Total/NA	Solid	8021B	17864

Prep Batch: 17873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-41	S-21 .5'	Total/NA	Solid	5035	
890-1869-42	S-21 1'	Total/NA	Solid	5035	
890-1869-43	S-22 .5'	Total/NA	Solid	5035	
890-1869-44	S-22 1'	Total/NA	Solid	5035	
890-1869-45	S-23 .5'	Total/NA	Solid	5035	
890-1869-46	S-23 1'	Total/NA	Solid	5035	
890-1869-47	S-24 .5'	Total/NA	Solid	5035	
890-1869-48	S-24 1'	Total/NA	Solid	5035	
890-1869-49	S-25 .5'	Total/NA	Solid	5035	
890-1869-50	S-25 1'	Total/NA	Solid	5035	
890-1869-51	S-26 .5'	Total/NA	Solid	5035	
890-1869-52	S-26 1'	Total/NA	Solid	5035	
890-1869-53	S-27 .5'	Total/NA	Solid	5035	
890-1869-54	S-27 1'	Total/NA	Solid	5035	
890-1869-55	S-28 .5'	Total/NA	Solid	5035	
890-1869-56	S-28 1'	Total/NA	Solid	5035	
890-1869-57	S-29 .5'	Total/NA	Solid	5035	
890-1869-58	S-29 1'	Total/NA	Solid	5035	
890-1869-59	S-30 .5'	Total/NA	Solid	5035	
890-1869-60	S-30 1'	Total/NA	Solid	5035	
MB 880-17873/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17873/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17873/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1869-41 MS	S-21 .5'	Total/NA	Solid	5035	
890-1869-41 MSD	S-21 .5'	Total/NA	Solid	5035	

Prep Batch: 17885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-17885/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 18313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-1	S-1 .5'	Total/NA	Solid	Total BTEX	
890-1869-2	S-1 1'	Total/NA	Solid	Total BTEX	
890-1869-3	S-2 .5'	Total/NA	Solid	Total BTEX	
890-1869-4	S-2 1'	Total/NA	Solid	Total BTEX	
890-1869-5	S-3 .5'	Total/NA	Solid	Total BTEX	
890-1869-6	S-3 1'	Total/NA	Solid	Total BTEX	
890-1869-7	S-4 .5'	Total/NA	Solid	Total BTEX	
890-1869-8	S-4 1'	Total/NA	Solid	Total BTEX	
890-1869-9	S-5 .5'	Total/NA	Solid	Total BTEX	
890-1869-10	S-5 1'	Total/NA	Solid	Total BTEX	
890-1869-11	S-6 .5'	Total/NA	Solid	Total BTEX	
890-1869-12	S-6 1'	Total/NA	Solid	Total BTEX	
890-1869-13	S-7 .5'	Total/NA	Solid	Total BTEX	
890-1869-14	S-7 1'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Larson & Associates, Inc.
 Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
 SDG: 21-0107-01

GC VOA (Continued)

Analysis Batch: 18313 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-15	S-8 .5'	Total/NA	Solid	Total BTEX	
890-1869-16	S-8 1'	Total/NA	Solid	Total BTEX	
890-1869-17	S-9 .5'	Total/NA	Solid	Total BTEX	
890-1869-18	S-9 1'	Total/NA	Solid	Total BTEX	
890-1869-19	S-10 .5'	Total/NA	Solid	Total BTEX	
890-1869-20	S-10 1'	Total/NA	Solid	Total BTEX	
890-1869-21	S-11 .5'	Total/NA	Solid	Total BTEX	
890-1869-22	S-11 1'	Total/NA	Solid	Total BTEX	
890-1869-23	S-12 .5'	Total/NA	Solid	Total BTEX	
890-1869-24	S-12 1'	Total/NA	Solid	Total BTEX	
890-1869-25	S-13 .5'	Total/NA	Solid	Total BTEX	
890-1869-26	S-13 1'	Total/NA	Solid	Total BTEX	
890-1869-27	S-14 .5'	Total/NA	Solid	Total BTEX	
890-1869-28	S-14 1'	Total/NA	Solid	Total BTEX	
890-1869-29	S-15 .5'	Total/NA	Solid	Total BTEX	
890-1869-30	S-15 1'	Total/NA	Solid	Total BTEX	
890-1869-31	S-16 .5'	Total/NA	Solid	Total BTEX	
890-1869-32	S-16 1'	Total/NA	Solid	Total BTEX	
890-1869-33	S-17 .5'	Total/NA	Solid	Total BTEX	
890-1869-34	S-17 1'	Total/NA	Solid	Total BTEX	
890-1869-35	S-18 .5'	Total/NA	Solid	Total BTEX	
890-1869-36	S-18 1'	Total/NA	Solid	Total BTEX	
890-1869-37	S-19 .5'	Total/NA	Solid	Total BTEX	
890-1869-38	S-19 1'	Total/NA	Solid	Total BTEX	
890-1869-39	S-20 .5'	Total/NA	Solid	Total BTEX	
890-1869-40	S-20 1'	Total/NA	Solid	Total BTEX	
890-1869-41	S-21 .5'	Total/NA	Solid	Total BTEX	
890-1869-42	S-21 1'	Total/NA	Solid	Total BTEX	
890-1869-43	S-22 .5'	Total/NA	Solid	Total BTEX	
890-1869-44	S-22 1'	Total/NA	Solid	Total BTEX	
890-1869-45	S-23 .5'	Total/NA	Solid	Total BTEX	
890-1869-46	S-23 1'	Total/NA	Solid	Total BTEX	
890-1869-47	S-24 .5'	Total/NA	Solid	Total BTEX	
890-1869-48	S-24 1'	Total/NA	Solid	Total BTEX	
890-1869-49	S-25 .5'	Total/NA	Solid	Total BTEX	
890-1869-50	S-25 1'	Total/NA	Solid	Total BTEX	
890-1869-51	S-26 .5'	Total/NA	Solid	Total BTEX	
890-1869-52	S-26 1'	Total/NA	Solid	Total BTEX	
890-1869-53	S-27 .5'	Total/NA	Solid	Total BTEX	
890-1869-54	S-27 1'	Total/NA	Solid	Total BTEX	
890-1869-55	S-28 .5'	Total/NA	Solid	Total BTEX	
890-1869-56	S-28 1'	Total/NA	Solid	Total BTEX	
890-1869-57	S-29 .5'	Total/NA	Solid	Total BTEX	
890-1869-58	S-29 1'	Total/NA	Solid	Total BTEX	
890-1869-59	S-30 .5'	Total/NA	Solid	Total BTEX	
890-1869-60	S-30 1'	Total/NA	Solid	Total BTEX	
890-1869-61	S-31 .5'	Total/NA	Solid	Total BTEX	
890-1869-62	S-31 1'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

GC Semi VOA

Analysis Batch: 17874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-53	S-27 .5'	Total/NA	Solid	8015B NM	17947
890-1869-54	S-27 1'	Total/NA	Solid	8015B NM	17947
890-1869-55	S-28 .5'	Total/NA	Solid	8015B NM	17947
890-1869-56	S-28 1'	Total/NA	Solid	8015B NM	17947
890-1869-57	S-29 .5'	Total/NA	Solid	8015B NM	17947
890-1869-58	S-29 1'	Total/NA	Solid	8015B NM	17947
890-1869-59	S-30 .5'	Total/NA	Solid	8015B NM	17947
890-1869-60	S-30 1'	Total/NA	Solid	8015B NM	17947
890-1869-61	S-31 .5'	Total/NA	Solid	8015B NM	17947
890-1869-62	S-31 1'	Total/NA	Solid	8015B NM	17947
MB 880-17947/1-A	Method Blank	Total/NA	Solid	8015B NM	17947
LCS 880-17947/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	17947
LCSD 880-17947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17947
880-10593-A-21-D MS	Matrix Spike	Total/NA	Solid	8015B NM	17947
880-10593-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	17947

Prep Batch: 17947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-53	S-27 .5'	Total/NA	Solid	8015NM Prep	
890-1869-54	S-27 1'	Total/NA	Solid	8015NM Prep	
890-1869-55	S-28 .5'	Total/NA	Solid	8015NM Prep	
890-1869-56	S-28 1'	Total/NA	Solid	8015NM Prep	
890-1869-57	S-29 .5'	Total/NA	Solid	8015NM Prep	
890-1869-58	S-29 1'	Total/NA	Solid	8015NM Prep	
890-1869-59	S-30 .5'	Total/NA	Solid	8015NM Prep	
890-1869-60	S-30 1'	Total/NA	Solid	8015NM Prep	
890-1869-61	S-31 .5'	Total/NA	Solid	8015NM Prep	
890-1869-62	S-31 1'	Total/NA	Solid	8015NM Prep	
MB 880-17947/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-17947/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-17947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10593-A-21-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10593-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-1	S-1 .5'	Total/NA	Solid	8015B NM	18062
890-1869-2	S-1 1'	Total/NA	Solid	8015B NM	18062
890-1869-3	S-2 .5'	Total/NA	Solid	8015B NM	18062
890-1869-4	S-2 1'	Total/NA	Solid	8015B NM	18062
890-1869-5	S-3 .5'	Total/NA	Solid	8015B NM	18062
890-1869-6	S-3 1'	Total/NA	Solid	8015B NM	18062
890-1869-7	S-4 .5'	Total/NA	Solid	8015B NM	18062
890-1869-8	S-4 1'	Total/NA	Solid	8015B NM	18062
890-1869-9	S-5 .5'	Total/NA	Solid	8015B NM	18062
890-1869-10	S-5 1'	Total/NA	Solid	8015B NM	18062
890-1869-11	S-6 .5'	Total/NA	Solid	8015B NM	18062
890-1869-12	S-6 1'	Total/NA	Solid	8015B NM	18062
890-1869-13	S-7 .5'	Total/NA	Solid	8015B NM	18062
890-1869-14	S-7 1'	Total/NA	Solid	8015B NM	18062
890-1869-15	S-8 .5'	Total/NA	Solid	8015B NM	18062

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

GC Semi VOA (Continued)

Analysis Batch: 17977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-16	S-8 1'	Total/NA	Solid	8015B NM	18062
MB 880-18062/1-A	Method Blank	Total/NA	Solid	8015B NM	18062
LCS 880-18062/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18062
LCSD 880-18062/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18062
890-1869-1 MS	S-1 .5'	Total/NA	Solid	8015B NM	18062
890-1869-1 MSD	S-1 .5'	Total/NA	Solid	8015B NM	18062

Prep Batch: 18062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-1	S-1 .5'	Total/NA	Solid	8015NM Prep	
890-1869-2	S-1 1'	Total/NA	Solid	8015NM Prep	
890-1869-3	S-2 .5'	Total/NA	Solid	8015NM Prep	
890-1869-4	S-2 1'	Total/NA	Solid	8015NM Prep	
890-1869-5	S-3 .5'	Total/NA	Solid	8015NM Prep	
890-1869-6	S-3 1'	Total/NA	Solid	8015NM Prep	
890-1869-7	S-4 .5'	Total/NA	Solid	8015NM Prep	
890-1869-8	S-4 1'	Total/NA	Solid	8015NM Prep	
890-1869-9	S-5 .5'	Total/NA	Solid	8015NM Prep	
890-1869-10	S-5 1'	Total/NA	Solid	8015NM Prep	
890-1869-11	S-6 .5'	Total/NA	Solid	8015NM Prep	
890-1869-12	S-6 1'	Total/NA	Solid	8015NM Prep	
890-1869-13	S-7 .5'	Total/NA	Solid	8015NM Prep	
890-1869-14	S-7 1'	Total/NA	Solid	8015NM Prep	
890-1869-15	S-8 .5'	Total/NA	Solid	8015NM Prep	
890-1869-16	S-8 1'	Total/NA	Solid	8015NM Prep	
MB 880-18062/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18062/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18062/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1869-1 MS	S-1 .5'	Total/NA	Solid	8015NM Prep	
890-1869-1 MSD	S-1 .5'	Total/NA	Solid	8015NM Prep	

Prep Batch: 18102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-21	S-11 .5'	Total/NA	Solid	8015NM Prep	
890-1869-22	S-11 1'	Total/NA	Solid	8015NM Prep	
890-1869-23	S-12 .5'	Total/NA	Solid	8015NM Prep	
890-1869-24	S-12 1'	Total/NA	Solid	8015NM Prep	
890-1869-25	S-13 .5'	Total/NA	Solid	8015NM Prep	
890-1869-26	S-13 1'	Total/NA	Solid	8015NM Prep	
890-1869-27	S-14 .5'	Total/NA	Solid	8015NM Prep	
890-1869-28	S-14 1'	Total/NA	Solid	8015NM Prep	
890-1869-29	S-15 .5'	Total/NA	Solid	8015NM Prep	
890-1869-30	S-15 1'	Total/NA	Solid	8015NM Prep	
890-1869-31	S-16 .5'	Total/NA	Solid	8015NM Prep	
890-1869-32	S-16 1'	Total/NA	Solid	8015NM Prep	
890-1869-33	S-17 .5'	Total/NA	Solid	8015NM Prep	
890-1869-34	S-17 1'	Total/NA	Solid	8015NM Prep	
890-1869-35	S-18 .5'	Total/NA	Solid	8015NM Prep	
890-1869-36	S-18 1'	Total/NA	Solid	8015NM Prep	
890-1869-37	S-19 .5'	Total/NA	Solid	8015NM Prep	
890-1869-38	S-19 1'	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

GC Semi VOA (Continued)

Prep Batch: 18102 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-39	S-20 .5'	Total/NA	Solid	8015NM Prep	
890-1869-40	S-20 1'	Total/NA	Solid	8015NM Prep	
MB 880-18102/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18102/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18102/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1869-21 MS	S-11 .5'	Total/NA	Solid	8015NM Prep	
890-1869-21 MSD	S-11 .5'	Total/NA	Solid	8015NM Prep	

Prep Batch: 18103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-41	S-21 .5'	Total/NA	Solid	8015NM Prep	
890-1869-42	S-21 1'	Total/NA	Solid	8015NM Prep	
890-1869-43	S-22 .5'	Total/NA	Solid	8015NM Prep	
890-1869-44	S-22 1'	Total/NA	Solid	8015NM Prep	
890-1869-45	S-23 .5'	Total/NA	Solid	8015NM Prep	
890-1869-46	S-23 1'	Total/NA	Solid	8015NM Prep	
890-1869-47	S-24 .5'	Total/NA	Solid	8015NM Prep	
890-1869-48	S-24 1'	Total/NA	Solid	8015NM Prep	
890-1869-49	S-25 .5'	Total/NA	Solid	8015NM Prep	
890-1869-50	S-25 1'	Total/NA	Solid	8015NM Prep	
890-1869-51	S-26 .5'	Total/NA	Solid	8015NM Prep	
890-1869-52	S-26 1'	Total/NA	Solid	8015NM Prep	
MB 880-18103/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18103/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18103/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1869-41 MS	S-21 .5'	Total/NA	Solid	8015NM Prep	
890-1869-41 MSD	S-21 .5'	Total/NA	Solid	8015NM Prep	

Prep Batch: 18105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-17	S-9 .5'	Total/NA	Solid	8015NM Prep	
890-1869-18	S-9 1'	Total/NA	Solid	8015NM Prep	
890-1869-19	S-10 .5'	Total/NA	Solid	8015NM Prep	
890-1869-20	S-10 1'	Total/NA	Solid	8015NM Prep	
MB 880-18105/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18105/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18105/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10637-A-115-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10637-A-115-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 18110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-41	S-21 .5'	Total/NA	Solid	8015B NM	18103
890-1869-42	S-21 1'	Total/NA	Solid	8015B NM	18103
890-1869-43	S-22 .5'	Total/NA	Solid	8015B NM	18103
890-1869-44	S-22 1'	Total/NA	Solid	8015B NM	18103
890-1869-45	S-23 .5'	Total/NA	Solid	8015B NM	18103
890-1869-46	S-23 1'	Total/NA	Solid	8015B NM	18103
890-1869-47	S-24 .5'	Total/NA	Solid	8015B NM	18103
890-1869-48	S-24 1'	Total/NA	Solid	8015B NM	18103
890-1869-49	S-25 .5'	Total/NA	Solid	8015B NM	18103

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

GC Semi VOA (Continued)

Analysis Batch: 18110 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-50	S-25 1'	Total/NA	Solid	8015B NM	18103
890-1869-51	S-26 .5'	Total/NA	Solid	8015B NM	18103
890-1869-52	S-26 1'	Total/NA	Solid	8015B NM	18103
MB 880-18103/1-A	Method Blank	Total/NA	Solid	8015B NM	18103
LCS 880-18103/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18103
LCSD 880-18103/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18103
890-1869-41 MS	S-21 .5'	Total/NA	Solid	8015B NM	18103
890-1869-41 MSD	S-21 .5'	Total/NA	Solid	8015B NM	18103

Analysis Batch: 18112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-17	S-9 .5'	Total/NA	Solid	8015B NM	18105
890-1869-18	S-9 1'	Total/NA	Solid	8015B NM	18105
890-1869-19	S-10 .5'	Total/NA	Solid	8015B NM	18105
890-1869-20	S-10 1'	Total/NA	Solid	8015B NM	18105
MB 880-18105/1-A	Method Blank	Total/NA	Solid	8015B NM	18105
LCS 880-18105/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18105
LCSD 880-18105/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18105
880-10637-A-115-B MS	Matrix Spike	Total/NA	Solid	8015B NM	18105
880-10637-A-115-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	18105

Analysis Batch: 18115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-21	S-11 .5'	Total/NA	Solid	8015B NM	18102
890-1869-22	S-11 1'	Total/NA	Solid	8015B NM	18102
890-1869-23	S-12 .5'	Total/NA	Solid	8015B NM	18102
890-1869-24	S-12 1'	Total/NA	Solid	8015B NM	18102
890-1869-25	S-13 .5'	Total/NA	Solid	8015B NM	18102
890-1869-26	S-13 1'	Total/NA	Solid	8015B NM	18102
890-1869-27	S-14 .5'	Total/NA	Solid	8015B NM	18102
890-1869-28	S-14 1'	Total/NA	Solid	8015B NM	18102
890-1869-29	S-15 .5'	Total/NA	Solid	8015B NM	18102
890-1869-30	S-15 1'	Total/NA	Solid	8015B NM	18102
890-1869-31	S-16 .5'	Total/NA	Solid	8015B NM	18102
890-1869-32	S-16 1'	Total/NA	Solid	8015B NM	18102
890-1869-33	S-17 .5'	Total/NA	Solid	8015B NM	18102
890-1869-34	S-17 1'	Total/NA	Solid	8015B NM	18102
890-1869-35	S-18 .5'	Total/NA	Solid	8015B NM	18102
890-1869-36	S-18 1'	Total/NA	Solid	8015B NM	18102
890-1869-37	S-19 .5'	Total/NA	Solid	8015B NM	18102
890-1869-38	S-19 1'	Total/NA	Solid	8015B NM	18102
890-1869-39	S-20 .5'	Total/NA	Solid	8015B NM	18102
890-1869-40	S-20 1'	Total/NA	Solid	8015B NM	18102
MB 880-18102/1-A	Method Blank	Total/NA	Solid	8015B NM	18102
LCS 880-18102/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18102
LCSD 880-18102/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18102
890-1869-21 MS	S-11 .5'	Total/NA	Solid	8015B NM	18102
890-1869-21 MSD	S-11 .5'	Total/NA	Solid	8015B NM	18102

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

GC Semi VOA

Analysis Batch: 18170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-1	S-1 .5'	Total/NA	Solid	8015 NM	
890-1869-2	S-1 1'	Total/NA	Solid	8015 NM	
890-1869-3	S-2 .5'	Total/NA	Solid	8015 NM	
890-1869-4	S-2 1'	Total/NA	Solid	8015 NM	
890-1869-5	S-3 .5'	Total/NA	Solid	8015 NM	
890-1869-6	S-3 1'	Total/NA	Solid	8015 NM	
890-1869-7	S-4 .5'	Total/NA	Solid	8015 NM	
890-1869-8	S-4 1'	Total/NA	Solid	8015 NM	
890-1869-9	S-5 .5'	Total/NA	Solid	8015 NM	
890-1869-10	S-5 1'	Total/NA	Solid	8015 NM	
890-1869-11	S-6 .5'	Total/NA	Solid	8015 NM	
890-1869-12	S-6 1'	Total/NA	Solid	8015 NM	
890-1869-13	S-7 .5'	Total/NA	Solid	8015 NM	
890-1869-14	S-7 1'	Total/NA	Solid	8015 NM	
890-1869-15	S-8 .5'	Total/NA	Solid	8015 NM	
890-1869-16	S-8 1'	Total/NA	Solid	8015 NM	
890-1869-17	S-9 .5'	Total/NA	Solid	8015 NM	
890-1869-18	S-9 1'	Total/NA	Solid	8015 NM	
890-1869-19	S-10 .5'	Total/NA	Solid	8015 NM	
890-1869-20	S-10 1'	Total/NA	Solid	8015 NM	
890-1869-21	S-11 .5'	Total/NA	Solid	8015 NM	
890-1869-22	S-11 1'	Total/NA	Solid	8015 NM	
890-1869-23	S-12 .5'	Total/NA	Solid	8015 NM	
890-1869-24	S-12 1'	Total/NA	Solid	8015 NM	
890-1869-25	S-13 .5'	Total/NA	Solid	8015 NM	
890-1869-26	S-13 1'	Total/NA	Solid	8015 NM	
890-1869-27	S-14 .5'	Total/NA	Solid	8015 NM	
890-1869-28	S-14 1'	Total/NA	Solid	8015 NM	
890-1869-29	S-15 .5'	Total/NA	Solid	8015 NM	
890-1869-30	S-15 1'	Total/NA	Solid	8015 NM	
890-1869-31	S-16 .5'	Total/NA	Solid	8015 NM	
890-1869-32	S-16 1'	Total/NA	Solid	8015 NM	
890-1869-33	S-17 .5'	Total/NA	Solid	8015 NM	
890-1869-34	S-17 1'	Total/NA	Solid	8015 NM	
890-1869-35	S-18 .5'	Total/NA	Solid	8015 NM	
890-1869-36	S-18 1'	Total/NA	Solid	8015 NM	
890-1869-37	S-19 .5'	Total/NA	Solid	8015 NM	
890-1869-38	S-19 1'	Total/NA	Solid	8015 NM	
890-1869-39	S-20 .5'	Total/NA	Solid	8015 NM	
890-1869-40	S-20 1'	Total/NA	Solid	8015 NM	
890-1869-41	S-21 .5'	Total/NA	Solid	8015 NM	
890-1869-42	S-21 1'	Total/NA	Solid	8015 NM	
890-1869-43	S-22 .5'	Total/NA	Solid	8015 NM	
890-1869-44	S-22 1'	Total/NA	Solid	8015 NM	
890-1869-45	S-23 .5'	Total/NA	Solid	8015 NM	
890-1869-46	S-23 1'	Total/NA	Solid	8015 NM	
890-1869-47	S-24 .5'	Total/NA	Solid	8015 NM	
890-1869-48	S-24 1'	Total/NA	Solid	8015 NM	
890-1869-49	S-25 .5'	Total/NA	Solid	8015 NM	
890-1869-50	S-25 1'	Total/NA	Solid	8015 NM	
890-1869-51	S-26 .5'	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

GC Semi VOA (Continued)

Analysis Batch: 18170 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-52	S-26 1'	Total/NA	Solid	8015 NM	
890-1869-53	S-27 .5'	Total/NA	Solid	8015 NM	
890-1869-54	S-27 1'	Total/NA	Solid	8015 NM	
890-1869-55	S-28 .5;	Total/NA	Solid	8015 NM	
890-1869-56	S-28 1'	Total/NA	Solid	8015 NM	
890-1869-57	S-29 .5'	Total/NA	Solid	8015 NM	
890-1869-58	S-29 1'	Total/NA	Solid	8015 NM	
890-1869-59	S-30 .5'	Total/NA	Solid	8015 NM	
890-1869-60	S-30 1'	Total/NA	Solid	8015 NM	
890-1869-61	S-31 .5'	Total/NA	Solid	8015 NM	
890-1869-62	S-31 1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 17959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-45	S-23 .5'	Soluble	Solid	DI Leach	
890-1869-46	S-23 1'	Soluble	Solid	DI Leach	
890-1869-47	S-24 .5'	Soluble	Solid	DI Leach	
890-1869-48	S-24 1'	Soluble	Solid	DI Leach	
890-1869-49	S-25 .5'	Soluble	Solid	DI Leach	
890-1869-50	S-25 1'	Soluble	Solid	DI Leach	
890-1869-51	S-26 .5'	Soluble	Solid	DI Leach	
890-1869-52	S-26 1'	Soluble	Solid	DI Leach	
890-1869-53	S-27 .5'	Soluble	Solid	DI Leach	
890-1869-54	S-27 1'	Soluble	Solid	DI Leach	
890-1869-55	S-28 .5;	Soluble	Solid	DI Leach	
890-1869-56	S-28 1'	Soluble	Solid	DI Leach	
890-1869-57	S-29 .5'	Soluble	Solid	DI Leach	
890-1869-58	S-29 1'	Soluble	Solid	DI Leach	
890-1869-59	S-30 .5'	Soluble	Solid	DI Leach	
890-1869-60	S-30 1'	Soluble	Solid	DI Leach	
890-1869-61	S-31 .5'	Soluble	Solid	DI Leach	
890-1869-62	S-31 1'	Soluble	Solid	DI Leach	
MB 880-17959/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17959/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17959/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1869-45 MS	S-23 .5'	Soluble	Solid	DI Leach	
890-1869-45 MSD	S-23 .5'	Soluble	Solid	DI Leach	
890-1869-55 MS	S-28 .5;	Soluble	Solid	DI Leach	
890-1869-55 MSD	S-28 .5;	Soluble	Solid	DI Leach	

Leach Batch: 17960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-1	S-1 .5'	Soluble	Solid	DI Leach	
890-1869-2	S-1 1'	Soluble	Solid	DI Leach	
890-1869-3	S-2 .5'	Soluble	Solid	DI Leach	
890-1869-4	S-2 1'	Soluble	Solid	DI Leach	
890-1869-5	S-3 .5'	Soluble	Solid	DI Leach	
890-1869-6	S-3 1'	Soluble	Solid	DI Leach	
890-1869-7	S-4 .5'	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

HPLC/IC (Continued)

Leach Batch: 17960 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-8	S-4 1'	Soluble	Solid	DI Leach	
890-1869-9	S-5 .5'	Soluble	Solid	DI Leach	
890-1869-10	S-5 1'	Soluble	Solid	DI Leach	
890-1869-11	S-6 .5'	Soluble	Solid	DI Leach	
890-1869-12	S-6 1'	Soluble	Solid	DI Leach	
890-1869-13	S-7 .5'	Soluble	Solid	DI Leach	
890-1869-14	S-7 1'	Soluble	Solid	DI Leach	
890-1869-15	S-8 .5'	Soluble	Solid	DI Leach	
890-1869-16	S-8 1'	Soluble	Solid	DI Leach	
890-1869-17	S-9 .5'	Soluble	Solid	DI Leach	
890-1869-18	S-9 1'	Soluble	Solid	DI Leach	
890-1869-19	S-10 .5'	Soluble	Solid	DI Leach	
890-1869-20	S-10 1'	Soluble	Solid	DI Leach	
MB 880-17960/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17960/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17960/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1869-1 MS	S-1 .5'	Soluble	Solid	DI Leach	
890-1869-1 MSD	S-1 .5'	Soluble	Solid	DI Leach	
890-1869-11 MS	S-6 .5'	Soluble	Solid	DI Leach	
890-1869-11 MSD	S-6 .5'	Soluble	Solid	DI Leach	

Leach Batch: 17961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-29	S-15 .5'	Soluble	Solid	DI Leach	
890-1869-30	S-15 1'	Soluble	Solid	DI Leach	
890-1869-31	S-16 .5'	Soluble	Solid	DI Leach	
890-1869-32	S-16 1'	Soluble	Solid	DI Leach	
890-1869-33	S-17 .5'	Soluble	Solid	DI Leach	
890-1869-34	S-17 1'	Soluble	Solid	DI Leach	
890-1869-35	S-18 .5'	Soluble	Solid	DI Leach	
890-1869-36	S-18 1'	Soluble	Solid	DI Leach	
890-1869-37	S-19 .5'	Soluble	Solid	DI Leach	
890-1869-38	S-19 1'	Soluble	Solid	DI Leach	
890-1869-39	S-20 .5'	Soluble	Solid	DI Leach	
890-1869-40	S-20 1'	Soluble	Solid	DI Leach	
890-1869-41	S-21 .5'	Soluble	Solid	DI Leach	
890-1869-42	S-21 1'	Soluble	Solid	DI Leach	
890-1869-43	S-22 .5'	Soluble	Solid	DI Leach	
890-1869-44	S-22 1'	Soluble	Solid	DI Leach	
MB 880-17961/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17961/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17961/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1869-35 MS	S-18 .5'	Soluble	Solid	DI Leach	
890-1869-35 MSD	S-18 .5'	Soluble	Solid	DI Leach	

Leach Batch: 17962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-21	S-11 .5'	Soluble	Solid	DI Leach	
890-1869-22	S-11 1'	Soluble	Solid	DI Leach	
890-1869-23	S-12 .5'	Soluble	Solid	DI Leach	
890-1869-24	S-12 1'	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

HPLC/IC (Continued)

Leach Batch: 17962 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-25	S-13 .5'	Soluble	Solid	DI Leach	
890-1869-26	S-13 1'	Soluble	Solid	DI Leach	
890-1869-27	S-14 .5'	Soluble	Solid	DI Leach	
890-1869-28	S-14 1'	Soluble	Solid	DI Leach	
MB 880-17962/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17962/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17962/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1869-21 MS	S-11 .5'	Soluble	Solid	DI Leach	
890-1869-21 MSD	S-11 .5'	Soluble	Solid	DI Leach	

Analysis Batch: 18070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-1	S-1 .5'	Soluble	Solid	300.0	17960
890-1869-2	S-1 1'	Soluble	Solid	300.0	17960
890-1869-3	S-2 .5'	Soluble	Solid	300.0	17960
890-1869-4	S-2 1'	Soluble	Solid	300.0	17960
890-1869-5	S-3 .5'	Soluble	Solid	300.0	17960
890-1869-6	S-3 1'	Soluble	Solid	300.0	17960
890-1869-7	S-4 .5'	Soluble	Solid	300.0	17960
890-1869-8	S-4 1'	Soluble	Solid	300.0	17960
890-1869-9	S-5 .5'	Soluble	Solid	300.0	17960
890-1869-10	S-5 1'	Soluble	Solid	300.0	17960
890-1869-11	S-6 .5'	Soluble	Solid	300.0	17960
890-1869-12	S-6 1'	Soluble	Solid	300.0	17960
890-1869-13	S-7 .5'	Soluble	Solid	300.0	17960
890-1869-14	S-7 1'	Soluble	Solid	300.0	17960
890-1869-15	S-8 .5'	Soluble	Solid	300.0	17960
890-1869-16	S-8 1'	Soluble	Solid	300.0	17960
890-1869-17	S-9 .5'	Soluble	Solid	300.0	17960
890-1869-18	S-9 1'	Soluble	Solid	300.0	17960
890-1869-19	S-10 .5'	Soluble	Solid	300.0	17960
890-1869-20	S-10 1'	Soluble	Solid	300.0	17960
MB 880-17960/1-A	Method Blank	Soluble	Solid	300.0	17960
LCS 880-17960/2-A	Lab Control Sample	Soluble	Solid	300.0	17960
LCSD 880-17960/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17960
890-1869-1 MS	S-1 .5'	Soluble	Solid	300.0	17960
890-1869-1 MSD	S-1 .5'	Soluble	Solid	300.0	17960
890-1869-11 MS	S-6 .5'	Soluble	Solid	300.0	17960
890-1869-11 MSD	S-6 .5'	Soluble	Solid	300.0	17960

Analysis Batch: 18071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-45	S-23 .5'	Soluble	Solid	300.0	17959
890-1869-46	S-23 1'	Soluble	Solid	300.0	17959
890-1869-47	S-24 .5'	Soluble	Solid	300.0	17959
890-1869-48	S-24 1'	Soluble	Solid	300.0	17959
890-1869-49	S-25 .5'	Soluble	Solid	300.0	17959
890-1869-50	S-25 1'	Soluble	Solid	300.0	17959
890-1869-51	S-26 .5'	Soluble	Solid	300.0	17959
890-1869-52	S-26 1'	Soluble	Solid	300.0	17959
890-1869-53	S-27 .5'	Soluble	Solid	300.0	17959

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

HPLC/IC (Continued)

Analysis Batch: 18071 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-54	S-27 1'	Soluble	Solid	300.0	17959
890-1869-55	S-28 .5;	Soluble	Solid	300.0	17959
890-1869-56	S-28 1'	Soluble	Solid	300.0	17959
890-1869-57	S-29 .5'	Soluble	Solid	300.0	17959
890-1869-58	S-29 1'	Soluble	Solid	300.0	17959
890-1869-59	S-30 .5'	Soluble	Solid	300.0	17959
890-1869-60	S-30 1'	Soluble	Solid	300.0	17959
890-1869-61	S-31 .5'	Soluble	Solid	300.0	17959
890-1869-62	S-31 1'	Soluble	Solid	300.0	17959
MB 880-17959/1-A	Method Blank	Soluble	Solid	300.0	17959
LCS 880-17959/2-A	Lab Control Sample	Soluble	Solid	300.0	17959
LCSD 880-17959/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17959
890-1869-45 MS	S-23 .5'	Soluble	Solid	300.0	17959
890-1869-45 MSD	S-23 .5'	Soluble	Solid	300.0	17959
890-1869-55 MS	S-28 .5;	Soluble	Solid	300.0	17959
890-1869-55 MSD	S-28 .5;	Soluble	Solid	300.0	17959

Analysis Batch: 18075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-29	S-15 .5'	Soluble	Solid	300.0	17961
890-1869-30	S-15 1'	Soluble	Solid	300.0	17961
890-1869-31	S-16 .5'	Soluble	Solid	300.0	17961
890-1869-32	S-16 1'	Soluble	Solid	300.0	17961
890-1869-33	S-17 .5'	Soluble	Solid	300.0	17961
890-1869-34	S-17 1'	Soluble	Solid	300.0	17961
890-1869-35	S-18 .5'	Soluble	Solid	300.0	17961
890-1869-36	S-18 1'	Soluble	Solid	300.0	17961
890-1869-37	S-19 .5'	Soluble	Solid	300.0	17961
890-1869-38	S-19 1'	Soluble	Solid	300.0	17961
890-1869-39	S-20 .5'	Soluble	Solid	300.0	17961
890-1869-40	S-20 1'	Soluble	Solid	300.0	17961
890-1869-41	S-21 .5'	Soluble	Solid	300.0	17961
890-1869-42	S-21 1'	Soluble	Solid	300.0	17961
890-1869-43	S-22 .5'	Soluble	Solid	300.0	17961
890-1869-44	S-22 1'	Soluble	Solid	300.0	17961
MB 880-17961/1-A	Method Blank	Soluble	Solid	300.0	17961
LCS 880-17961/2-A	Lab Control Sample	Soluble	Solid	300.0	17961
LCSD 880-17961/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17961
890-1869-35 MS	S-18 .5'	Soluble	Solid	300.0	17961
890-1869-35 MSD	S-18 .5'	Soluble	Solid	300.0	17961

Analysis Batch: 18076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1869-21	S-11 .5'	Soluble	Solid	300.0	17962
890-1869-22	S-11 1'	Soluble	Solid	300.0	17962
890-1869-23	S-12 .5'	Soluble	Solid	300.0	17962
890-1869-24	S-12 1'	Soluble	Solid	300.0	17962
890-1869-25	S-13 .5'	Soluble	Solid	300.0	17962
890-1869-26	S-13 1'	Soluble	Solid	300.0	17962
890-1869-27	S-14 .5'	Soluble	Solid	300.0	17962
890-1869-28	S-14 1'	Soluble	Solid	300.0	17962

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

HPLC/IC (Continued)

Analysis Batch: 18076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-17962/1-A	Method Blank	Soluble	Solid	300.0	17962
LCS 880-17962/2-A	Lab Control Sample	Soluble	Solid	300.0	17962
LCSD 880-17962/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17962
890-1869-21 MS	S-11 .5'	Soluble	Solid	300.0	17962
890-1869-21 MSD	S-11 .5'	Soluble	Solid	300.0	17962

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-1 .5'

Lab Sample ID: 890-1869-1

Date Collected: 01/25/22 08:00

Matrix: Solid

Date Received: 01/25/22 15:26

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	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 03:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/28/22 22:41	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 15:21	CH	XEN MID

Client Sample ID: S-1 1'

Lab Sample ID: 890-1869-2

Date Collected: 01/25/22 08:01

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 03:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/28/22 23:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 15:56	CH	XEN MID

Client Sample ID: S-2 .5'

Lab Sample ID: 890-1869-3

Date Collected: 01/25/22 08:05

Matrix: Solid

Date Received: 01/25/22 15:26

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	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 04:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 00:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 16:08	CH	XEN MID

Client Sample ID: S-2 1'

Lab Sample ID: 890-1869-4

Date Collected: 01/25/22 08:06

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 04:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-2 1'

Lab Sample ID: 890-1869-4

Date Collected: 01/25/22 08:06

Matrix: Solid

Date Received: 01/25/22 15:26

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			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 00:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 16:20	CH	XEN MID

Client Sample ID: S-3 .5'

Lab Sample ID: 890-1869-5

Date Collected: 01/25/22 08:10

Matrix: Solid

Date Received: 01/25/22 15:26

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	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 04:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 00:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 16:32	CH	XEN MID

Client Sample ID: S-3 1'

Lab Sample ID: 890-1869-6

Date Collected: 01/25/22 08:11

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 05:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 01:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		5			18070	01/30/22 17:07	CH	XEN MID

Client Sample ID: S-4 .5'

Lab Sample ID: 890-1869-7

Date Collected: 01/25/22 08:15

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 05:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 01:43	AJ	XEN MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-4 .5'**Date Collected: 01/25/22 08:15****Date Received: 01/25/22 15:26****Lab Sample ID: 890-1869-7****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	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 17:19	CH	XEN MID

Client Sample ID: S-4 1'**Date Collected: 01/25/22 08:16****Date Received: 01/25/22 15:26****Lab Sample ID: 890-1869-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 05:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 02:05	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		5			18070	01/30/22 17:31	CH	XEN MID

Client Sample ID: S-5 .5'**Date Collected: 01/25/22 08:20****Date Received: 01/25/22 15:26****Lab Sample ID: 890-1869-9****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 06:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 02:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 17:43	CH	XEN MID

Client Sample ID: S-5 1'**Date Collected: 01/25/22 08:21****Date Received: 01/25/22 15:26****Lab Sample ID: 890-1869-10****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			5.04 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 06:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 02:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		1			18070	01/30/22 17:55	CH	XEN MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-6 .5'

Lab Sample ID: 890-1869-11

Date Collected: 01/25/22 08:25

Matrix: Solid

Date Received: 01/25/22 15:26

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	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 08:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 03:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 18:07	CH	XEN MID

Client Sample ID: S-6 1'

Lab Sample ID: 890-1869-12

Date Collected: 01/25/22 08:26

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 08:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 03:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		5			18070	01/30/22 18:42	CH	XEN MID

Client Sample ID: S-7 .5'

Lab Sample ID: 890-1869-13

Date Collected: 01/25/22 08:30

Matrix: Solid

Date Received: 01/25/22 15:26

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	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 09:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 04:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 18:54	CH	XEN MID

Client Sample ID: S-7 1'

Lab Sample ID: 890-1869-14

Date Collected: 01/25/22 08:31

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 09:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-7 1'

Lab Sample ID: 890-1869-14

Date Collected: 01/25/22 08:31

Matrix: Solid

Date Received: 01/25/22 15:26

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			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 04:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		1			18070	01/30/22 19:30	CH	XEN MID

Client Sample ID: S-8 .5'

Lab Sample ID: 890-1869-15

Date Collected: 01/25/22 08:35

Matrix: Solid

Date Received: 01/25/22 15:26

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	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 09:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 05:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		1			18070	01/31/22 15:20	CH	XEN MID

Client Sample ID: S-8 1'

Lab Sample ID: 890-1869-16

Date Collected: 01/25/22 08:36

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 10:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18062	01/28/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17977	01/29/22 05:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		1			18070	01/30/22 19:53	CH	XEN MID

Client Sample ID: S-9 .5'

Lab Sample ID: 890-1869-17

Date Collected: 01/25/22 08:40

Matrix: Solid

Date Received: 01/25/22 15:26

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	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 10:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18105	01/31/22 08:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18112	01/31/22 14:48	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-9 .5'**Lab Sample ID: 890-1869-17****Date Collected: 01/25/22 08:40****Matrix: Solid****Date Received: 01/25/22 15:26**

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	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		5			18070	01/30/22 20:05	CH	XEN MID

Client Sample ID: S-9 1'**Lab Sample ID: 890-1869-18****Date Collected: 01/25/22 08:41****Matrix: Solid****Date Received: 01/25/22 15:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 10:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18105	01/31/22 08:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18112	01/31/22 15:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		1			18070	01/30/22 20:17	CH	XEN MID

Client Sample ID: S-10 .5'**Lab Sample ID: 890-1869-19****Date Collected: 01/25/22 08:45****Matrix: Solid****Date Received: 01/25/22 15:26**

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	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 11:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18105	01/31/22 08:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18112	01/31/22 15:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 20:29	CH	XEN MID

Client Sample ID: S-10 1'**Lab Sample ID: 890-1869-20****Date Collected: 01/25/22 08:46****Matrix: Solid****Date Received: 01/25/22 15:26**

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	17864	01/27/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17868	01/28/22 11:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18105	01/31/22 08:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18112	01/31/22 15:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17960	01/27/22 18:45	CH	XEN MID
Soluble	Analysis	300.0		10			18070	01/30/22 20:41	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-11 .5'

Lab Sample ID: 890-1869-21

Date Collected: 01/25/22 08:50

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 14:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 12:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17962	01/27/22 18:49	CH	XEN MID
Soluble	Analysis	300.0		1			18076	01/31/22 19:59	CH	XEN MID

Client Sample ID: S-11 1'

Lab Sample ID: 890-1869-22

Date Collected: 01/25/22 08:51

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 15:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 13:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17962	01/27/22 18:49	CH	XEN MID
Soluble	Analysis	300.0		5			18076	01/30/22 18:30	CH	XEN MID

Client Sample ID: S-12 .5'

Lab Sample ID: 890-1869-23

Date Collected: 01/25/22 08:55

Matrix: Solid

Date Received: 01/25/22 15:26

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	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 15:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 13:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	17962	01/27/22 18:49	CH	XEN MID
Soluble	Analysis	300.0		10			18076	01/30/22 18:37	CH	XEN MID

Client Sample ID: S-12 1'

Lab Sample ID: 890-1869-24

Date Collected: 01/25/22 08:56

Matrix: Solid

Date Received: 01/25/22 15:26

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	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 16:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-12 1'

Lab Sample ID: 890-1869-24

Date Collected: 01/25/22 08:56

Matrix: Solid

Date Received: 01/25/22 15:26

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			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 13:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	17962	01/27/22 18:49	CH	XEN MID
Soluble	Analysis	300.0		5			18076	01/30/22 19:00	CH	XEN MID

Client Sample ID: S-13 .5'

Lab Sample ID: 890-1869-25

Date Collected: 01/25/22 09:00

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 16:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 14:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17962	01/27/22 18:49	CH	XEN MID
Soluble	Analysis	300.0		1			18076	01/31/22 20:21	CH	XEN MID

Client Sample ID: S-13 1'

Lab Sample ID: 890-1869-26

Date Collected: 01/25/22 09:01

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 16:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 14:39	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17962	01/27/22 18:49	CH	XEN MID
Soluble	Analysis	300.0		1			18076	01/30/22 19:15	CH	XEN MID

Client Sample ID: S-14 .5'

Lab Sample ID: 890-1869-27

Date Collected: 01/25/22 09:05

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 17:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 15:00	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-14 .5'

Lab Sample ID: 890-1869-27

Date Collected: 01/25/22 09:05

Matrix: Solid

Date Received: 01/25/22 15:26

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	17962	01/27/22 18:49	CH	XEN MID
Soluble	Analysis	300.0		1			18076	01/31/22 20:29	CH	XEN MID

Client Sample ID: S-14 1'

Lab Sample ID: 890-1869-28

Date Collected: 01/25/22 09:06

Matrix: Solid

Date Received: 01/25/22 15:26

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	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 17:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 15:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	17962	01/27/22 18:49	CH	XEN MID
Soluble	Analysis	300.0		1			18076	01/30/22 19:30	CH	XEN MID

Client Sample ID: S-15 .5'

Lab Sample ID: 890-1869-29

Date Collected: 01/25/22 09:10

Matrix: Solid

Date Received: 01/25/22 15:26

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	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 18:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 15:42	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		1			18075	01/31/22 16:29	CH	XEN MID

Client Sample ID: S-15 1'

Lab Sample ID: 890-1869-30

Date Collected: 01/25/22 09:11

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 18:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 16:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		5			18075	01/29/22 18:49	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-16 .5'

Lab Sample ID: 890-1869-31

Date Collected: 01/25/22 09:15

Matrix: Solid

Date Received: 01/25/22 15:26

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	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 20:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 16:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		5			18075	01/29/22 19:01	CH	XEN MID

Client Sample ID: S-16 1'

Lab Sample ID: 890-1869-32

Date Collected: 01/25/22 09:16

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 20:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 17:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		5			18075	01/29/22 19:13	CH	XEN MID

Client Sample ID: S-17 .5'

Lab Sample ID: 890-1869-33

Date Collected: 01/25/22 09:20

Matrix: Solid

Date Received: 01/25/22 15:26

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	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 21:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 17:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		5			18075	01/29/22 19:25	CH	XEN MID

Client Sample ID: S-17 1'

Lab Sample ID: 890-1869-34

Date Collected: 01/25/22 09:21

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 21:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-17 1'

Lab Sample ID: 890-1869-34

Date Collected: 01/25/22 09:21

Matrix: Solid

Date Received: 01/25/22 15:26

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			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 17:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		10	0 mL	1.0 mL	18075	01/29/22 19:37	CH	XEN MID

Client Sample ID: S-18 .5'

Lab Sample ID: 890-1869-35

Date Collected: 01/25/22 09:25

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 22:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 18:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		5			18075	01/29/22 19:49	CH	XEN MID

Client Sample ID: S-18 1'

Lab Sample ID: 890-1869-36

Date Collected: 01/25/22 09:26

Matrix: Solid

Date Received: 01/25/22 15:26

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	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 22:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 18:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		10			18075	01/30/22 11:47	CH	XEN MID

Client Sample ID: S-19 .5'

Lab Sample ID: 890-1869-37

Date Collected: 01/25/22 09:30

Matrix: Solid

Date Received: 01/25/22 15:26

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	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 23:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 18:50	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-19 .5'

Lab Sample ID: 890-1869-37

Date Collected: 01/25/22 09:30

Matrix: Solid

Date Received: 01/25/22 15:26

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	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		1			18075	01/30/22 11:59	CH	XEN MID

Client Sample ID: S-19 1'

Lab Sample ID: 890-1869-38

Date Collected: 01/25/22 09:31

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/27/22 23:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 19:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		1			18075	01/30/22 12:35	CH	XEN MID

Client Sample ID: S-20 .5'

Lab Sample ID: 890-1869-39

Date Collected: 01/25/22 09:35

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 00:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 19:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		5			18075	01/30/22 12:46	CH	XEN MID

Client Sample ID: S-20 1'

Lab Sample ID: 890-1869-40

Date Collected: 01/25/22 09:36

Matrix: Solid

Date Received: 01/25/22 15:26

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	17865	01/27/22 08:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 00:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18102	01/31/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18115	01/31/22 19:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		10			18075	01/30/22 12:58	CH	XEN MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-21 .5'

Lab Sample ID: 890-1869-41

Date Collected: 01/25/22 09:40

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 04:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 12:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		10			18075	02/01/22 15:14	CH	XEN MID

Client Sample ID: S-21 1'

Lab Sample ID: 890-1869-42

Date Collected: 01/25/22 09:41

Matrix: Solid

Date Received: 01/25/22 15:26

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	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 04:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 14:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		1			18075	01/30/22 13:22	CH	XEN MID

Client Sample ID: S-22 .5'

Lab Sample ID: 890-1869-43

Date Collected: 01/25/22 09:45

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 05:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 14:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		5			18075	02/01/22 15:26	CH	XEN MID

Client Sample ID: S-22 1'

Lab Sample ID: 890-1869-44

Date Collected: 01/25/22 09:46

Matrix: Solid

Date Received: 01/25/22 15:26

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	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 05:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-22 1'

Lab Sample ID: 890-1869-44

Date Collected: 01/25/22 09:46

Matrix: Solid

Date Received: 01/25/22 15:26

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			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 15:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17961	01/27/22 18:47	CH	XEN MID
Soluble	Analysis	300.0		20			18075	01/30/22 13:46	CH	XEN MID

Client Sample ID: S-23 .5'

Lab Sample ID: 890-1869-45

Date Collected: 01/25/22 09:50

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 06:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 15:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		5			18071	01/29/22 23:16	CH	XEN MID

Client Sample ID: S-23 1'

Lab Sample ID: 890-1869-46

Date Collected: 01/25/22 09:51

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 06:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 15:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		5			18071	01/29/22 23:39	CH	XEN MID

Client Sample ID: S-24 .5'

Lab Sample ID: 890-1869-47

Date Collected: 01/25/22 09:55

Matrix: Solid

Date Received: 01/25/22 15:26

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	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 09:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 16:12	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-24 .5'

Lab Sample ID: 890-1869-47

Date Collected: 01/25/22 09:55

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		10			18071	02/01/22 11:45	CH	XEN MID

Client Sample ID: S-24 1'

Lab Sample ID: 890-1869-48

Date Collected: 01/25/22 09:56

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 09:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 16:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		1			18071	01/29/22 23:54	CH	XEN MID

Client Sample ID: S-25 .5'

Lab Sample ID: 890-1869-49

Date Collected: 01/25/22 10:00

Matrix: Solid

Date Received: 01/25/22 15:26

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	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 10:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 17:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		5			18071	01/30/22 00:02	CH	XEN MID

Client Sample ID: S-25 1'

Lab Sample ID: 890-1869-50

Date Collected: 01/25/22 10:01

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 10:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 17:36	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		1			18071	01/30/22 00:24	CH	XEN MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-26 .5'

Lab Sample ID: 890-1869-51

Date Collected: 01/25/22 10:05

Matrix: Solid

Date Received: 01/25/22 15:26

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	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 12:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 17:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		1			18071	01/30/22 00:32	CH	XEN MID

Client Sample ID: S-26 1'

Lab Sample ID: 890-1869-52

Date Collected: 01/25/22 10:06

Matrix: Solid

Date Received: 01/25/22 15:26

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	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 12:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18103	01/31/22 08:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18110	01/31/22 18:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		1			18071	01/30/22 00:39	CH	XEN MID

Client Sample ID: S-27 .5'

Lab Sample ID: 890-1869-53

Date Collected: 01/25/22 10:10

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 13:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17947	01/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17874	01/28/22 00:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		5			18071	01/30/22 00:47	CH	XEN MID

Client Sample ID: S-27 1'

Lab Sample ID: 890-1869-54

Date Collected: 01/25/22 10:11

Matrix: Solid

Date Received: 01/25/22 15:26

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	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 13:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-27 1'

Lab Sample ID: 890-1869-54

Date Collected: 01/25/22 10:11

Matrix: Solid

Date Received: 01/25/22 15:26

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			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17947	01/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17874	01/28/22 01:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		1			18071	01/31/22 20:59	CH	XEN MID

Client Sample ID: S-28 .5;

Lab Sample ID: 890-1869-55

Date Collected: 01/25/22 10:15

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 14:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17947	01/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17874	01/28/22 02:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		5			18071	02/01/22 11:52	CH	XEN MID

Client Sample ID: S-28 1'

Lab Sample ID: 890-1869-56

Date Collected: 01/25/22 10:16

Matrix: Solid

Date Received: 01/25/22 15:26

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	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 14:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17947	01/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17874	01/28/22 02:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		5			18071	02/01/22 12:15	CH	XEN MID

Client Sample ID: S-29 .5'

Lab Sample ID: 890-1869-57

Date Collected: 01/25/22 10:20

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 15:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17947	01/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17874	01/28/22 02:41	AJ	XEN MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-29 .5'

Lab Sample ID: 890-1869-57

Date Collected: 01/25/22 10:20

Matrix: Solid

Date Received: 01/25/22 15:26

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	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		1			18071	01/31/22 21:37	CH	XEN MID

Client Sample ID: S-29 1'

Lab Sample ID: 890-1869-58

Date Collected: 01/25/22 10:21

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 15:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17947	01/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17874	01/28/22 03:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		1			18071	01/31/22 21:45	CH	XEN MID

Client Sample ID: S-30 .5'

Lab Sample ID: 890-1869-59

Date Collected: 01/25/22 10:25

Matrix: Solid

Date Received: 01/25/22 15:26

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	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 16:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17947	01/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17874	01/28/22 03:22	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		10			18071	01/30/22 02:02	CH	XEN MID

Client Sample ID: S-30 1'

Lab Sample ID: 890-1869-60

Date Collected: 01/25/22 10:26

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	17873	01/27/22 08:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17866	01/28/22 16:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17947	01/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17874	01/28/22 03:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		10			18071	01/30/22 02:10	CH	XEN MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Client Sample ID: S-31 .5'

Lab Sample ID: 890-1869-61

Date Collected: 01/25/22 10:30

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	17863	01/27/22 08:03	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17867	01/27/22 14:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17947	01/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17874	01/28/22 04:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		1			18071	01/30/22 02:17	CH	XEN MID

Client Sample ID: S-31 1'

Lab Sample ID: 890-1869-62

Date Collected: 01/25/22 10:31

Matrix: Solid

Date Received: 01/25/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	17863	01/27/22 08:03	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17867	01/27/22 15:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18313	02/01/22 16:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18170	01/31/22 13:01	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17947	01/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17874	01/28/22 04:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	17959	01/27/22 18:41	CH	XEN MID
Soluble	Analysis	300.0		5			18071	01/30/22 02:25	CH	XEN MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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	T104704400-21-22	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: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1869-1	S-1 .5'	Solid	01/25/22 08:00	01/25/22 15:26	.5
890-1869-2	S-1 1'	Solid	01/25/22 08:01	01/25/22 15:26	1
890-1869-3	S-2 .5'	Solid	01/25/22 08:05	01/25/22 15:26	.5
890-1869-4	S-2 1'	Solid	01/25/22 08:06	01/25/22 15:26	1
890-1869-5	S-3 .5'	Solid	01/25/22 08:10	01/25/22 15:26	.5
890-1869-6	S-3 1'	Solid	01/25/22 08:11	01/25/22 15:26	1
890-1869-7	S-4 .5'	Solid	01/25/22 08:15	01/25/22 15:26	.5
890-1869-8	S-4 1'	Solid	01/25/22 08:16	01/25/22 15:26	1
890-1869-9	S-5 .5'	Solid	01/25/22 08:20	01/25/22 15:26	.5
890-1869-10	S-5 1'	Solid	01/25/22 08:21	01/25/22 15:26	1
890-1869-11	S-6 .5'	Solid	01/25/22 08:25	01/25/22 15:26	.5
890-1869-12	S-6 1'	Solid	01/25/22 08:26	01/25/22 15:26	1
890-1869-13	S-7 .5'	Solid	01/25/22 08:30	01/25/22 15:26	.5
890-1869-14	S-7 1'	Solid	01/25/22 08:31	01/25/22 15:26	1
890-1869-15	S-8 .5'	Solid	01/25/22 08:35	01/25/22 15:26	.5
890-1869-16	S-8 1'	Solid	01/25/22 08:36	01/25/22 15:26	1
890-1869-17	S-9 .5'	Solid	01/25/22 08:40	01/25/22 15:26	.5
890-1869-18	S-9 1'	Solid	01/25/22 08:41	01/25/22 15:26	1
890-1869-19	S-10 .5'	Solid	01/25/22 08:45	01/25/22 15:26	.5
890-1869-20	S-10 1'	Solid	01/25/22 08:46	01/25/22 15:26	1
890-1869-21	S-11 .5'	Solid	01/25/22 08:50	01/25/22 15:26	.5
890-1869-22	S-11 1'	Solid	01/25/22 08:51	01/25/22 15:26	1
890-1869-23	S-12 .5'	Solid	01/25/22 08:55	01/25/22 15:26	.5
890-1869-24	S-12 1'	Solid	01/25/22 08:56	01/25/22 15:26	1
890-1869-25	S-13 .5'	Solid	01/25/22 09:00	01/25/22 15:26	.5
890-1869-26	S-13 1'	Solid	01/25/22 09:01	01/25/22 15:26	1
890-1869-27	S-14 .5'	Solid	01/25/22 09:05	01/25/22 15:26	.5
890-1869-28	S-14 1'	Solid	01/25/22 09:06	01/25/22 15:26	1
890-1869-29	S-15 .5'	Solid	01/25/22 09:10	01/25/22 15:26	.5
890-1869-30	S-15 1'	Solid	01/25/22 09:11	01/25/22 15:26	1
890-1869-31	S-16 .5'	Solid	01/25/22 09:15	01/25/22 15:26	.5
890-1869-32	S-16 1'	Solid	01/25/22 09:16	01/25/22 15:26	1
890-1869-33	S-17 .5'	Solid	01/25/22 09:20	01/25/22 15:26	.5
890-1869-34	S-17 1'	Solid	01/25/22 09:21	01/25/22 15:26	1
890-1869-35	S-18 .5'	Solid	01/25/22 09:25	01/25/22 15:26	.5
890-1869-36	S-18 1'	Solid	01/25/22 09:26	01/25/22 15:26	1
890-1869-37	S-19 .5'	Solid	01/25/22 09:30	01/25/22 15:26	.5
890-1869-38	S-19 1'	Solid	01/25/22 09:31	01/25/22 15:26	1
890-1869-39	S-20 .5'	Solid	01/25/22 09:35	01/25/22 15:26	.5
890-1869-40	S-20 1'	Solid	01/25/22 09:36	01/25/22 15:26	1
890-1869-41	S-21 .5'	Solid	01/25/22 09:40	01/25/22 15:26	.5
890-1869-42	S-21 1'	Solid	01/25/22 09:41	01/25/22 15:26	1
890-1869-43	S-22 .5'	Solid	01/25/22 09:45	01/25/22 15:26	.5
890-1869-44	S-22 1'	Solid	01/25/22 09:46	01/25/22 15:26	1
890-1869-45	S-23 .5'	Solid	01/25/22 09:50	01/25/22 15:26	.5
890-1869-46	S-23 1'	Solid	01/25/22 09:51	01/25/22 15:26	1
890-1869-47	S-24 .5'	Solid	01/25/22 09:55	01/25/22 15:26	.5
890-1869-48	S-24 1'	Solid	01/25/22 09:56	01/25/22 15:26	1
890-1869-49	S-25 .5'	Solid	01/25/22 10:00	01/25/22 15:26	.5
890-1869-50	S-25 1'	Solid	01/25/22 10:01	01/25/22 15:26	1
890-1869-51	S-26 .5'	Solid	01/25/22 10:05	01/25/22 15:26	.5
890-1869-52	S-26 1'	Solid	01/25/22 10:06	01/25/22 15:26	1
890-1869-53	S-27 .5'	Solid	01/25/22 10:10	01/25/22 15:26	.5
890-1869-54	S-27 1'	Solid	01/25/22 10:11	01/25/22 15:26	1

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater Energy Hayhurst Pond 2

Job ID: 890-1869-1
SDG: 21-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1869-55	S-28 .5'	Solid	01/25/22 10:15	01/25/22 15:26	.5
890-1869-56	S-28 1'	Solid	01/25/22 10:16	01/25/22 15:26	1
890-1869-57	S-29 .5'	Solid	01/25/22 10:20	01/25/22 15:26	.5
890-1869-58	S-29 1'	Solid	01/25/22 10:21	01/25/22 15:26	1
890-1869-59	S-30 .5'	Solid	01/25/22 10:25	01/25/22 15:26	.5
890-1869-60	S-30 1'	Solid	01/25/22 10:26	01/25/22 15:26	1
890-1869-61	S-31 .5'	Solid	01/25/22 10:30	01/25/22 15:26	.5
890-1869-62	S-31 1'	Solid	01/25/22 10:31	01/25/22 15:26	1

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

No. 2342

Cooling in Progress

Arson & Associates, Inc.
Environmental Consultants

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

Date Reported to

DATE: 1-25-22
PO#:
PROJECT LOCATION OR NAME: Breakwater Energy Highway Road 2
LAI PROJECT #: 21-0107-01
COLLECTOR: 1013R
LAB WORK ORDER#:
PAGE 1 OF 5

Field Sample ID	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION		ANALYSES	FIELD NOTES
						HCl	HNO ₃		
S-1 .5'		1-25-22	0800	S	1			X	
S-1 1'			0801					X	
S-2 .5'			0805					X	
S-2 1'			0806					X	
S-3 .5'			0810					X	
S-3 1'			0811					X	
S-4 .5'			0815					X	
S-4 1'			0816					X	
S-5 .5'			0820					X	
S-5 1'			0821					X	
S-6 .5'			0825					X	
S-6 1'			0826					X	
S-7 .5'			0830					X	
S-7 1'			0831					X	
S-8 .5'			0835					X	
TOTAL 15									
RELINQUISHED BY: (Signature) DATE/TIME: 1/25/22 3:26 RECEIVED BY: (Signature) DATE/TIME: 1/25/22 3:26									
RELINQUISHED BY: (Signature) DATE/TIME: RECEIVED BY: (Signature) DATE/TIME:									
RELINQUISHED BY: (Signature) DATE/TIME: RECEIVED BY: (Signature) DATE/TIME:									
LABORATORY PENCE DATE/TIME: RECEIVED BY: (Signature) DATE/TIME:									
TURN AROUND TIME: NORMAL X 1 DAY 2 DAY OTHER									
LABORATORY USE ONLY: RECEIVING TEMP: 26.2 C THERM# T1111111111 CUSTODY SEALS: BROKEN INTACT NOT USED CARRIER BILL # 4444444444									

Page 116 of 122

2/1/2022

Cooling in Progress

No. 2343

CHAIN-OF-CUSTODY

PAGE 2 OF 5

2/1/2022

Varson & Associates, Inc.
Environmental Consultants

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

Data Reported to

DATE: -25-22 PAGE 4 OF 5
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: Breakwater Energy Highway Road
LAI PROJECT #: 21-0107-D1 COLLECTOR: TP + JR

COLLECTOR: TP & JK

Released to Imaging: 10/16/2023 2:02:43 PM

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No. 2344

Cooling in Progress

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

Data Reported to

DATE: 1-25-22
PO#:
PROJECT LOCATION OR NAME: Breakwater Energy Henryhurst Road
LAI PROJECT #: 21-0107-D1 COLLECTOR: TP + JR
LAB WORK ORDER#:
PAGE 3 OF 5

CHAIN-OF-CUSTODY

TRRP report?		S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	PRESERVATION			ANALYSES										FIELD NOTES																	
☐ Yes ☒ No				HCl	HNO ₃	H ₂ SO ₄ NaOH	ICE	UNPRESSERVED	BTEX	MTBE	TPH #118	TPH 1005	GASOLINE MOD 8015	DIESEL - MOD 8015	OIL - MOD 8015	VOC 8280	SVOC 8270	8081 PESTICIDES	8082 PCBs	TCLP - METALS (RCRA)	TCLP - HERB	TCLP VOC	SEM-VOC	OTHER LIST	LEAD - TOTAL	TDs	TSS	% MOISTURE	HEXAVALENT CHROMIUM	PECHLORATE	PH	EXPLOSIVES	CHLORIDE ANIONS	ALKALINITY
TIME ZONE	Time zone/State	M57/MM																																
Field Sample ID	Lab #	Date	Time	Matrix	# of Containers																													
5-16 .5'		1-25-22	0915	S	1	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-16 1'			0916			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-17 .5			0920			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-17 1'			0921			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-18 .5			0925			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-18 1'			0926			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-19 .5'			0930			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-19 1'			0931			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-20 .5'			0935			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-20 1'			0936			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-21 .5'			0940			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-21 1'			0941			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-22 .5'			0945			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-22 1			0946			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-23 .5'			0950			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
TOTAL 15						X			X	X	X	X	X																					

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

Cooling in progress

No. 2411
CHAIN-OF-CUSTODY

DATE: 1-25-22 PAGE 1 OF 2
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: Breckinridge Energy Hwyhurst Road
LAI PROJECT #: 22-C167-01 COLLECTOR: TP + JR

PRESERVATION			
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Field
Sample I.D.

#

U

ANALYSES
TEXT ☐ MTBE
PPH 41

1

FIELD NOTES

[illegible]

RECEIVED BY: (Signature)

RECEIVED BY: (Signature)

RECEIVED BY: (Signature)

LABORATORY: KENUD

TURN AROUND TIME

LABORATORY USE ONLY:

NORMAL

RECEIVING TEMP: 21.6/21.9 THERM#: 1-11m-222 DAY ☐

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED

OTHER ☐

☐ CARRIER BILL # _____

☒ HAND DELIVERED

Varson & Associates, Inc.
Environmental Consultants

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

Cooling in Progests

CHAIN-OF-CUSTODY

No. 2412

Data Reported to:

DATE: 1-25-22
PO#: _____
PROJECT LOCATION OR
LAI PROJECT #: 22-

LAB WORK ORDER#

PAGE 5 OF 5

PROJECT LOCATION OR NAME: Breached Energy Hayhurst Pond
LAI PROJECT #: 82-107-01 COLLECTOR: TP + JR

COLLECTOR: JP + CR

TRRP report?

☐ Yes ☒ No

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

Time zone/State:

$$M_{ST}/N_{PM}$$

Field
Sample I.D

5-31	5-31
5-31	5-31

		1-25-22	1030
	T		1031

5	7
7	5

X	.	>			

X	X
X	X
X	X
X	X

	X	x

1111

HCl	PRESERVATION
HNO ₃	
H ₂ SO ₄ ☐ NaOH ☐	
ICE	
UNPRESSERVED	

ANALYSES
BTEX MTBE
TPH 418.1 TPH 10
GASOLINE MOD
DIESEL
OIL

MOD 8015 ☒ TPH 1006
VOC 8260 ☒
SVOC 8270 ☒ PAH 8270
8081 PESTICIDES
8082 PCBs
TCLP

TOTAL METALS (RCRA) HERB Semi-VOC
LEAD - TOTAL D.W.
RCI TOX
TDS

✓ 0.8 ✓ TCLP ✓
 ✓ ASHPOINT ✓
 ✓ % MOISTURE ✓ CYANIDE ✓
 ✓ HEXAVALENT CHROMIUM ✓
 ✓ EXPLOSIVES ✓ PECHLORATE ✓
 ✓ CHLORIDE ✓ ANIONS ✓

FIELD NOTES

TOTAL 2

RELINQUISHED BY: (Signature)

DATE/TIME 25/27 3:25

RECEIVED BY: (Signature)

TURN AROUND TIME
NORMAL ☒
1 DAY ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 21.6/21.4 THERM#: T-11m-a

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

LABORATORY: Yenclo

✓ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-1869-1

SDG Number: 21-0107-01

Login Number: 1869

List Number: 1

Creator: Olivas, Nathaniel

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.	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	

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-1869-1

SDG Number: 21-0107-01

Login Number: 1869

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 01/27/22 11:48 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

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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 1/4/2023 12:16:17 PM

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0105-16

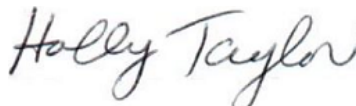
JOB NUMBER

880-23059-1

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
1/4/2023 12:16:17 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Laboratory Job ID: 880-23059-1
SDG: 22-0105-16

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.
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: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Job ID: 880-23059-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-23059-1

Receipt

The samples were received on 12/27/2022 10:33 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 0.3°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

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-42937/32), (CCV 880-42937/48), (CCV 880-42937/59) and (LCSD 880-42996/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-23059-A-1-F MS) and (880-23059-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C21 5' (880-23059-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C24 5' (880-23059-9). 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) recoveries and precision for preparation batch 880-42996 and analytical batch 880-42937 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.

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: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: S10 3'

Lab Sample ID: 880-23059-1

Date Collected: 12/21/22 12:00

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 12:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:51	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/30/22 11:33	01/03/23 12:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:51	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/30/22 11:33	01/03/23 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/30/22 11:33	01/03/23 12:51	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/30/22 11:33	01/03/23 12:51	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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 01:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	49.9	mg/Kg		12/30/22 15:05	12/31/22 01:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	12/30/22 15:05	12/31/22 01:24	1
o-Terphenyl (Surr)	108		70 - 130	12/30/22 15:05	12/31/22 01:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.4		5.01	mg/Kg			12/31/22 01:03	1

Client Sample ID: S10 5'

Lab Sample ID: 880-23059-2

Date Collected: 12/21/22 12:15

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 13:12	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/30/22 11:33	01/03/23 13:12	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/30/22 11:33	01/03/23 13:12	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/30/22 11:33	01/03/23 13:12	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/30/22 11:33	01/03/23 13:12	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/30/22 11:33	01/03/23 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/30/22 11:33	01/03/23 13:12	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/30/22 11:33	01/03/23 13:12	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: S10 5'

Lab Sample ID: 880-23059-2

Date Collected: 12/21/22 12:15

Matrix: Solid

Date Received: 12/27/22 10:33

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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 02:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 02:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 02:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			12/30/22 15:05	12/31/22 02:35	1
o-Terphenyl (Surr)	74		70 - 130			12/30/22 15:05	12/31/22 02:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		5.00	mg/Kg			12/31/22 01:08	1

Client Sample ID: S12 3'

Lab Sample ID: 880-23059-3

Date Collected: 12/21/22 13:00

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 13:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/30/22 11:33	01/03/23 13:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/30/22 11:33	01/03/23 13:32	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/30/22 11:33	01/03/23 13:32	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/30/22 11:33	01/03/23 13:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/30/22 11:33	01/03/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			12/30/22 11:33	01/03/23 13:32	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/30/22 11:33	01/03/23 13:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 02:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 02:59	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: S12 3'

Lab Sample ID: 880-23059-3

Date Collected: 12/21/22 13:00

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 15:05	12/31/22 02:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			12/30/22 15:05	12/31/22 02:59	1
o-Terphenyl (Surr)	80		70 - 130			12/30/22 15:05	12/31/22 02:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		5.02	mg/Kg			12/31/22 01:13	1

Client Sample ID: S12 5'

Lab Sample ID: 880-23059-4

Date Collected: 12/21/22 13:15

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 13:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 13:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 13:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 13:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 13:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 13:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			12/30/22 11:33	01/03/23 13:53	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/30/22 11:33	01/03/23 13:53	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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 03:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/30/22 15:05	12/31/22 03:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/30/22 15:05	12/31/22 03:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			12/30/22 15:05	12/31/22 03:23	1
o-Terphenyl (Surr)	89		70 - 130			12/30/22 15:05	12/31/22 03:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	552		50.1	mg/Kg			12/31/22 01:17	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C20 5'

Lab Sample ID: 880-23059-5

Date Collected: 12/21/22 16:00

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 14:13	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 14:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 14:13	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 14:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 14:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/30/22 11:33	01/03/23 14:13	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/30/22 11:33	01/03/23 14:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 03:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 03:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	12/30/22 15:05	12/31/22 03:46	1
o-Terphenyl (Surr)	101		70 - 130	12/30/22 15:05	12/31/22 03:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	466		50.0	mg/Kg			12/31/22 01:22	10

Client Sample ID: C21 5'

Lab Sample ID: 880-23059-6

Date Collected: 12/21/22 16:01

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 14:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:33	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/30/22 11:33	01/03/23 14:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:33	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/30/22 11:33	01/03/23 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/30/22 11:33	01/03/23 14:33	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/30/22 11:33	01/03/23 14:33	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C21 5'

Lab Sample ID: 880-23059-6

Date Collected: 12/21/22 16:01

Matrix: Solid

Date Received: 12/27/22 10:33

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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 04:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	58	S1-	70 - 130			12/30/22 15:05	12/31/22 04:10	1
o-Terphenyl (Surr)	54	S1-	70 - 130			12/30/22 15:05	12/31/22 04:10	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.3		5.00	mg/Kg			12/31/22 01:27	1

Client Sample ID: C22 5'

Lab Sample ID: 880-23059-7

Date Collected: 12/21/22 16:02

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 14:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:54	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/30/22 11:33	01/03/23 14:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:54	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/30/22 11:33	01/03/23 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			12/30/22 11:33	01/03/23 14:54	1
1,4-Difluorobenzene (Surr)	112		70 - 130			12/30/22 11:33	01/03/23 14:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 04:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C22 5'

Lab Sample ID: 880-23059-7

Date Collected: 12/21/22 16:02

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 15:05	12/31/22 04:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			12/30/22 15:05	12/31/22 04:32	1
o-Terphenyl (Surr)	123		70 - 130			12/30/22 15:05	12/31/22 04:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		5.02	mg/Kg			12/31/22 01:41	1

Client Sample ID: C23 5'

Lab Sample ID: 880-23059-8

Date Collected: 12/21/22 16:03

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 15:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			12/30/22 11:33	01/03/23 15:14	1
1,4-Difluorobenzene (Surr)	111		70 - 130			12/30/22 11:33	01/03/23 15:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 04:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			12/30/22 15:05	12/31/22 04:55	1
o-Terphenyl (Surr)	108		70 - 130			12/30/22 15:05	12/31/22 04:55	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.5		5.00	mg/Kg			12/31/22 01:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C24 5'

Lab Sample ID: 880-23059-9

Date Collected: 12/21/22 16:04

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 15:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 15:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/30/22 11:33	01/03/23 15:35	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/30/22 11:33	01/03/23 15:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 05:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 05:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 05:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	0.01	S1-	70 - 130	12/30/22 15:05	12/31/22 05:14	1
o-Terphenyl (Surr)	0.03	S1-	70 - 130	12/30/22 15:05	12/31/22 05:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	239		4.98	mg/Kg			12/31/22 01:59	1

Client Sample ID: C25 5'

Lab Sample ID: 880-23059-10

Date Collected: 12/21/22 16:05

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 15:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 15:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 15:55	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/30/22 11:33	01/03/23 15:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 15:55	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/30/22 11:33	01/03/23 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/30/22 11:33	01/03/23 15:55	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/30/22 11:33	01/03/23 15:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C25 5'

Lab Sample ID: 880-23059-10

Date Collected: 12/21/22 16:05

Matrix: Solid

Date Received: 12/27/22 10:33

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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 06:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 06:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 06:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130			12/30/22 15:05	12/31/22 06:22	1
o-Terphenyl (Surr)	124		70 - 130			12/30/22 15:05	12/31/22 06:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.0		4.95	mg/Kg			12/31/22 02:04	1

Client Sample ID: C26 5'

Lab Sample ID: 880-23059-11

Date Collected: 12/21/22 16:06

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 17:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 17:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 17:45	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 17:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 17:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 17:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			12/30/22 11:33	01/03/23 17:45	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/30/22 11:33	01/03/23 17:45	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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 07:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 07:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C26 5'

Lab Sample ID: 880-23059-11

Date Collected: 12/21/22 16:06

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 15:05	12/31/22 07:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			12/30/22 15:05	12/31/22 07:06	1
o-Terphenyl (Surr)	119		70 - 130			12/30/22 15:05	12/31/22 07:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.3		5.00	mg/Kg			12/31/22 02:09	1

Client Sample ID: C27 5'

Lab Sample ID: 880-23059-12

Date Collected: 12/21/22 16:07

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 18:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 18:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 18:05	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 18:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 18:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			12/30/22 11:33	01/03/23 18:05	1
1,4-Difluorobenzene (Surr)	111		70 - 130			12/30/22 11:33	01/03/23 18:05	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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 07:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 07:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 07:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			12/30/22 15:05	12/31/22 07:29	1
o-Terphenyl (Surr)	103		70 - 130			12/30/22 15:05	12/31/22 07:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.2		4.99	mg/Kg			12/31/22 02:14	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

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)
880-23059-1	S10 3'	100	108
880-23059-1 MS	S10 3'	101	110
880-23059-1 MSD	S10 3'	97	104
880-23059-2	S10 5'	106	111
880-23059-3	S12 3'	101	109
880-23059-4	S12 5'	101	109
880-23059-5	C20 5'	105	111
880-23059-6	C21 5'	105	111
880-23059-7	C22 5'	105	112
880-23059-8	C23 5'	103	111
880-23059-9	C24 5'	108	109
880-23059-10	C25 5'	106	110
880-23059-11	C26 5'	101	109
880-23059-12	C27 5'	109	111
LCS 880-42941/1-A	Lab Control Sample	93	107
LCSD 880-42941/2-A	Lab Control Sample Dup	97	109
MB 880-42941/5-A	Method Blank	97	107
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)
880-23059-1	S10 3'	114	108
880-23059-1 MS	S10 3'	53 S1-	46 S1-
880-23059-1 MSD	S10 3'	68 S1-	60 S1-
880-23059-2	S10 5'	76	74
880-23059-3	S12 3'	81	80
880-23059-4	S12 5'	88	89
880-23059-5	C20 5'	100	101
880-23059-6	C21 5'	58 S1-	54 S1-
880-23059-7	C22 5'	121	123
880-23059-8	C23 5'	107	108
880-23059-9	C24 5'	0.01 S1-	0.03 S1-
880-23059-10	C25 5'	123	124
880-23059-11	C26 5'	121	119
880-23059-12	C27 5'	101	103
LCS 880-42996/2-A	Lab Control Sample	106	118
LCSD 880-42996/3-A	Lab Control Sample Dup	119	132 S1+
MB 880-42996/1-A	Method Blank	115	127
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42941/5-A

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42941

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:23	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/30/22 11:33	01/03/23 12:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/30/22 11:33	01/03/23 12:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/30/22 11:33	01/03/23 12:23	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/30/22 11:33	01/03/23 12:23	1

Lab Sample ID: LCS 880-42941/1-A

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09341		mg/Kg		93	70 - 130
Toluene	0.100	0.08875		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08816		mg/Kg		88	70 - 130
m,p-Xylenes	0.200	0.1815		mg/Kg		91	70 - 130
o-Xylene	0.100	0.08693		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-42941/2-A

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42941

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09507		mg/Kg		95	70 - 130	2	35
Toluene	0.100	0.09079		mg/Kg		91	70 - 130	2	35
Ethylbenzene	0.100	0.08995		mg/Kg		90	70 - 130	2	35
m,p-Xylenes	0.200	0.1856		mg/Kg		93	70 - 130	2	35
o-Xylene	0.100	0.08867		mg/Kg		89	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-23059-1 MS

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: S10 3'

Prep Type: Total/NA

Prep Batch: 42941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09240		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08833		mg/Kg		88	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

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

Lab Sample ID: 880-23059-1 MS

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: S10 3'

Prep Type: Total/NA

Prep Batch: 42941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08642		mg/Kg		86	70 - 130
m,p-Xylenes	<0.00400	U	0.200	0.1791		mg/Kg		89	70 - 130
o-Xylene	<0.00200	U	0.100	0.08531		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-23059-1 MSD

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: S10 3'

Prep Type: Total/NA

Prep Batch: 42941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.0994	0.08424		mg/Kg		85	70 - 130	9	35
Toluene	<0.00200	U	0.0994	0.08064		mg/Kg		81	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.0994	0.07961		mg/Kg		80	70 - 130	8	35
m,p-Xylenes	<0.00400	U	0.199	0.1651		mg/Kg		83	70 - 130	8	35
o-Xylene	<0.00200	U	0.0994	0.07936		mg/Kg		80	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-42996/1-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42996

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		12/30/22 15:05	12/31/22 00:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 00:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 00:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	12/30/22 15:05	12/31/22 00:12	1
o-Terphenyl (Surr)	127		70 - 130	12/30/22 15:05	12/31/22 00:12	1

Lab Sample ID: LCS 880-42996/2-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	942.2		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

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

Lab Sample ID: LCS 880-42996/2-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42996

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	118		70 - 130

Lab Sample ID: LCSD 880-42996/3-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42996

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1025		mg/Kg		103	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1258		mg/Kg		126	70 - 130	12	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

Lab Sample ID: 880-23059-1 MS

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: S10 3'

Prep Type: Total/NA

Prep Batch: 42996

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	999	958.3		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	999	534.1	F1	mg/Kg		51	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	53	S1-	70 - 130
o-Terphenyl (Surr)	46	S1-	70 - 130

Lab Sample ID: 880-23059-1 MSD

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: S10 3'

Prep Type: Total/NA

Prep Batch: 42996

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	981.9		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	999	708.7	F1 F2	mg/Kg		69	70 - 130	28	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	68	S1-	70 - 130
o-Terphenyl (Surr)	60	S1-	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42865/1-A

Matrix: Solid

Analysis Batch: 42947

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			12/31/22 00:07	1

Lab Sample ID: LCS 880-42865/2-A

Matrix: Solid

Analysis Batch: 42947

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.6		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-42865/3-A

Matrix: Solid

Analysis Batch: 42947

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	254.8		mg/Kg		102	90 - 110	3	20

Lab Sample ID: 880-23059-6 MS

Matrix: Solid

Analysis Batch: 42947

Client Sample ID: C21 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	63.3		250	328.6		mg/Kg		106	90 - 110

Lab Sample ID: 880-23059-6 MSD

Matrix: Solid

Analysis Batch: 42947

Client Sample ID: C21 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	63.3		250	316.8		mg/Kg		101	90 - 110	4	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

GC VOA

Prep Batch: 42941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	5035	
880-23059-2	S10 5'	Total/NA	Solid	5035	
880-23059-3	S12 3'	Total/NA	Solid	5035	
880-23059-4	S12 5'	Total/NA	Solid	5035	
880-23059-5	C20 5'	Total/NA	Solid	5035	
880-23059-6	C21 5'	Total/NA	Solid	5035	
880-23059-7	C22 5'	Total/NA	Solid	5035	
880-23059-8	C23 5'	Total/NA	Solid	5035	
880-23059-9	C24 5'	Total/NA	Solid	5035	
880-23059-10	C25 5'	Total/NA	Solid	5035	
880-23059-11	C26 5'	Total/NA	Solid	5035	
880-23059-12	C27 5'	Total/NA	Solid	5035	
MB 880-42941/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42941/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42941/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23059-1 MS	S10 3'	Total/NA	Solid	5035	
880-23059-1 MSD	S10 3'	Total/NA	Solid	5035	

Analysis Batch: 43042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	8021B	42941
880-23059-2	S10 5'	Total/NA	Solid	8021B	42941
880-23059-3	S12 3'	Total/NA	Solid	8021B	42941
880-23059-4	S12 5'	Total/NA	Solid	8021B	42941
880-23059-5	C20 5'	Total/NA	Solid	8021B	42941
880-23059-6	C21 5'	Total/NA	Solid	8021B	42941
880-23059-7	C22 5'	Total/NA	Solid	8021B	42941
880-23059-8	C23 5'	Total/NA	Solid	8021B	42941
880-23059-9	C24 5'	Total/NA	Solid	8021B	42941
880-23059-10	C25 5'	Total/NA	Solid	8021B	42941
880-23059-11	C26 5'	Total/NA	Solid	8021B	42941
880-23059-12	C27 5'	Total/NA	Solid	8021B	42941
MB 880-42941/5-A	Method Blank	Total/NA	Solid	8021B	42941
LCS 880-42941/1-A	Lab Control Sample	Total/NA	Solid	8021B	42941
LCSD 880-42941/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42941
880-23059-1 MS	S10 3'	Total/NA	Solid	8021B	42941
880-23059-1 MSD	S10 3'	Total/NA	Solid	8021B	42941

Analysis Batch: 43120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	Total BTEX	
880-23059-2	S10 5'	Total/NA	Solid	Total BTEX	
880-23059-3	S12 3'	Total/NA	Solid	Total BTEX	
880-23059-4	S12 5'	Total/NA	Solid	Total BTEX	
880-23059-5	C20 5'	Total/NA	Solid	Total BTEX	
880-23059-6	C21 5'	Total/NA	Solid	Total BTEX	
880-23059-7	C22 5'	Total/NA	Solid	Total BTEX	
880-23059-8	C23 5'	Total/NA	Solid	Total BTEX	
880-23059-9	C24 5'	Total/NA	Solid	Total BTEX	
880-23059-10	C25 5'	Total/NA	Solid	Total BTEX	
880-23059-11	C26 5'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

GC VOA (Continued)

Analysis Batch: 43120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-12	C27 5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 42937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	8015B NM	42996
880-23059-2	S10 5'	Total/NA	Solid	8015B NM	42996
880-23059-3	S12 3'	Total/NA	Solid	8015B NM	42996
880-23059-4	S12 5'	Total/NA	Solid	8015B NM	42996
880-23059-5	C20 5'	Total/NA	Solid	8015B NM	42996
880-23059-6	C21 5'	Total/NA	Solid	8015B NM	42996
880-23059-7	C22 5'	Total/NA	Solid	8015B NM	42996
880-23059-8	C23 5'	Total/NA	Solid	8015B NM	42996
880-23059-9	C24 5'	Total/NA	Solid	8015B NM	42996
880-23059-10	C25 5'	Total/NA	Solid	8015B NM	42996
880-23059-11	C26 5'	Total/NA	Solid	8015B NM	42996
880-23059-12	C27 5'	Total/NA	Solid	8015B NM	42996
MB 880-42996/1-A	Method Blank	Total/NA	Solid	8015B NM	42996
LCS 880-42996/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42996
LCSD 880-42996/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42996
880-23059-1 MS	S10 3'	Total/NA	Solid	8015B NM	42996
880-23059-1 MSD	S10 3'	Total/NA	Solid	8015B NM	42996

Prep Batch: 42996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	8015NM Prep	
880-23059-2	S10 5'	Total/NA	Solid	8015NM Prep	
880-23059-3	S12 3'	Total/NA	Solid	8015NM Prep	
880-23059-4	S12 5'	Total/NA	Solid	8015NM Prep	
880-23059-5	C20 5'	Total/NA	Solid	8015NM Prep	
880-23059-6	C21 5'	Total/NA	Solid	8015NM Prep	
880-23059-7	C22 5'	Total/NA	Solid	8015NM Prep	
880-23059-8	C23 5'	Total/NA	Solid	8015NM Prep	
880-23059-9	C24 5'	Total/NA	Solid	8015NM Prep	
880-23059-10	C25 5'	Total/NA	Solid	8015NM Prep	
880-23059-11	C26 5'	Total/NA	Solid	8015NM Prep	
880-23059-12	C27 5'	Total/NA	Solid	8015NM Prep	
MB 880-42996/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42996/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42996/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23059-1 MS	S10 3'	Total/NA	Solid	8015NM Prep	
880-23059-1 MSD	S10 3'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	8015 NM	
880-23059-2	S10 5'	Total/NA	Solid	8015 NM	
880-23059-3	S12 3'	Total/NA	Solid	8015 NM	
880-23059-4	S12 5'	Total/NA	Solid	8015 NM	
880-23059-5	C20 5'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

GC Semi VOA (Continued)

Analysis Batch: 43067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-6	C21 5'	Total/NA	Solid	8015 NM	
880-23059-7	C22 5'	Total/NA	Solid	8015 NM	
880-23059-8	C23 5'	Total/NA	Solid	8015 NM	
880-23059-9	C24 5'	Total/NA	Solid	8015 NM	
880-23059-10	C25 5'	Total/NA	Solid	8015 NM	
880-23059-11	C26 5'	Total/NA	Solid	8015 NM	
880-23059-12	C27 5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Soluble	Solid	DI Leach	
880-23059-2	S10 5'	Soluble	Solid	DI Leach	
880-23059-3	S12 3'	Soluble	Solid	DI Leach	
880-23059-4	S12 5'	Soluble	Solid	DI Leach	
880-23059-5	C20 5'	Soluble	Solid	DI Leach	
880-23059-6	C21 5'	Soluble	Solid	DI Leach	
880-23059-7	C22 5'	Soluble	Solid	DI Leach	
880-23059-8	C23 5'	Soluble	Solid	DI Leach	
880-23059-9	C24 5'	Soluble	Solid	DI Leach	
880-23059-10	C25 5'	Soluble	Solid	DI Leach	
880-23059-11	C26 5'	Soluble	Solid	DI Leach	
880-23059-12	C27 5'	Soluble	Solid	DI Leach	
MB 880-42865/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42865/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42865/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23059-6 MS	C21 5'	Soluble	Solid	DI Leach	
880-23059-6 MSD	C21 5'	Soluble	Solid	DI Leach	

Analysis Batch: 42947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Soluble	Solid	300.0	42865
880-23059-2	S10 5'	Soluble	Solid	300.0	42865
880-23059-3	S12 3'	Soluble	Solid	300.0	42865
880-23059-4	S12 5'	Soluble	Solid	300.0	42865
880-23059-5	C20 5'	Soluble	Solid	300.0	42865
880-23059-6	C21 5'	Soluble	Solid	300.0	42865
880-23059-7	C22 5'	Soluble	Solid	300.0	42865
880-23059-8	C23 5'	Soluble	Solid	300.0	42865
880-23059-9	C24 5'	Soluble	Solid	300.0	42865
880-23059-10	C25 5'	Soluble	Solid	300.0	42865
880-23059-11	C26 5'	Soluble	Solid	300.0	42865
880-23059-12	C27 5'	Soluble	Solid	300.0	42865
MB 880-42865/1-A	Method Blank	Soluble	Solid	300.0	42865
LCS 880-42865/2-A	Lab Control Sample	Soluble	Solid	300.0	42865
LCSD 880-42865/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42865
880-23059-6 MS	C21 5'	Soluble	Solid	300.0	42865
880-23059-6 MSD	C21 5'	Soluble	Solid	300.0	42865

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: S10 3'

Lab Sample ID: 880-23059-1

Date Collected: 12/21/22 12:00

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 01:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:03	CH	EET MID

Client Sample ID: S10 5'

Lab Sample ID: 880-23059-2

Date Collected: 12/21/22 12:15

Matrix: Solid

Date Received: 12/27/22 10:33

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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 02:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:08	CH	EET MID

Client Sample ID: S12 3'

Lab Sample ID: 880-23059-3

Date Collected: 12/21/22 13:00

Matrix: Solid

Date Received: 12/27/22 10:33

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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 13:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 02:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:13	CH	EET MID

Client Sample ID: S12 5'

Lab Sample ID: 880-23059-4

Date Collected: 12/21/22 13:15

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: S12 5'

Lab Sample ID: 880-23059-4

Date Collected: 12/21/22 13:15

Matrix: Solid

Date Received: 12/27/22 10:33

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			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 03:23	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		10			42947	12/31/22 01:17	CH	EET MID

Client Sample ID: C20 5'

Lab Sample ID: 880-23059-5

Date Collected: 12/21/22 16:00

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 03:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		10			42947	12/31/22 01:22	CH	EET MID

Client Sample ID: C21 5'

Lab Sample ID: 880-23059-6

Date Collected: 12/21/22 16:01

Matrix: Solid

Date Received: 12/27/22 10:33

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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 04:10	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:27	CH	EET MID

Client Sample ID: C22 5'

Lab Sample ID: 880-23059-7

Date Collected: 12/21/22 16:02

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 04:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C22 5'

Lab Sample ID: 880-23059-7

Date Collected: 12/21/22 16:02

Matrix: Solid

Date Received: 12/27/22 10:33

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	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:41	CH	EET MID

Client Sample ID: C23 5'

Lab Sample ID: 880-23059-8

Date Collected: 12/21/22 16:03

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 04:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:45	CH	EET MID

Client Sample ID: C24 5'

Lab Sample ID: 880-23059-9

Date Collected: 12/21/22 16:04

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 15:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 05:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:59	CH	EET MID

Client Sample ID: C25 5'

Lab Sample ID: 880-23059-10

Date Collected: 12/21/22 16:05

Matrix: Solid

Date Received: 12/27/22 10:33

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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 15:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 06:22	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 02:04	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C26 5'

Lab Sample ID: 880-23059-11

Date Collected: 12/21/22 16:06

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 07:06	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 02:09	CH	EET MID

Client Sample ID: C27 5'

Lab Sample ID: 880-23059-12

Date Collected: 12/21/22 16:07

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 07:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 02:14	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: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

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: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23059-1	S10 3'	Solid	12/21/22 12:00	12/27/22 10:33
880-23059-2	S10 5'	Solid	12/21/22 12:15	12/27/22 10:33
880-23059-3	S12 3'	Solid	12/21/22 13:00	12/27/22 10:33
880-23059-4	S12 5'	Solid	12/21/22 13:15	12/27/22 10:33
880-23059-5	C20 5'	Solid	12/21/22 16:00	12/27/22 10:33
880-23059-6	C21 5'	Solid	12/21/22 16:01	12/27/22 10:33
880-23059-7	C22 5'	Solid	12/21/22 16:02	12/27/22 10:33
880-23059-8	C23 5'	Solid	12/21/22 16:03	12/27/22 10:33
880-23059-9	C24 5'	Solid	12/21/22 16:04	12/27/22 10:33
880-23059-10	C25 5'	Solid	12/21/22 16:05	12/27/22 10:33
880-23059-11	C26 5'	Solid	12/21/22 16:06	12/27/22 10:33
880-23059-12	C27 5'	Solid	12/21/22 16:07	12/27/22 10:33

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-23059-1

SDG Number: 22-0105-16

Login Number: 23059

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



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 2/28/2023 3:21:06 PM Revision 3

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0107-01

JOB NUMBER

880-23972-1

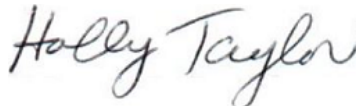
Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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
2/28/2023 3:21:06 PM
Revision 3

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Laboratory Job ID: 880-23972-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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

Eurofins Midland

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Job ID: 880-23972-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-23972-1**

Revision

The report being provided is a revision of the original report sent on 2/7/2023. The report (revision 3) is being revised to add C-172 3' and C-172 5' back to the report, but change the sample ID's to S-28 3' and S-28 5' and to change C-172 10' to S-28 10' per Robert Nelson (email).

Report revision history

Revision 1 - 2/14/2023 - Reason - to remove samples C172 3', C172 5', C226 and C227 from the report per Robert Nelson (email).

Revision 2 - 2/16/2023 - Reason - to change sample IDs (SW4-SW34, SW4A-SW34A, SW1-SW31, SW1A-SW31A) per Robert Nelson (email).

Receipt

The samples were received on 1/23/2023 8:16 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 1.2° C.

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-44881 recovered below the lower control limit for Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene. However, an acceptable CCV was analyzed within the 12 hour window, therefore data was qualified and reported. The associated sample is impacted: (CCV 880-44881/33).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-44984 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C105 (880-23972-21), C112 (880-23972-22), C104 (880-23972-23), C111 (880-23972-24), C103 (880-23972-25), C102 (880-23972-26), C110 (880-23972-27), C109 (880-23972-28), C100 (880-23972-29), C101 (880-23972-30), C106 (880-23972-31), C107 (880-23972-32), C108 (880-23972-33), SW34 (880-23972-34), SW34A (880-23972-35), SW31 (880-23972-36), SW31A (880-23972-37), (CCV 880-44984/2), (CCV 880-44984/20), (CCV 880-44984/33), (LCS 880-44735/1-A), (LCSD 880-44735/2-A), (MB 880-44735/5-A), (880-23972-A-21-A MS) and (880-23972-A-21-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45260 and analytical batch 880-45231 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-45231 recovered above the upper control limit for m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-45231/2).

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

GC Semi VOA

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-45125 and analytical batch 880-45101 was outside the upper control limits.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-45126 and analytical batch 880-45103 was outside the upper control limits.

Method 8015B NM: The method blank for preparation batch 880-45126 and analytical batch 880-45103 contained Gasoline Range

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Job ID: 880-23972-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-45126 and analytical batch 880-45103 was outside control limits. Sample non-homogeneity is suspected.

Method 8015B NM: The laboratory control sample (LCS) associated with preparation batch 880-45089 and analytical batch 880-45165 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015B NM: The CCV was biased low for diesel range hydrocarbons. Another CCV was analyzed and acceptable within the 12 hour window of the last acceptable CCV, therefore the data was qualified and reported.

(CCV 880-45165/31)

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: S-28 3' (880-23972-7) and C180 (880-23972-12). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: C106 (880-23972-31). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (890-3922-A-1-C MS) and (890-3922-A-1-D 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.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44786 and analytical batch 880-45019 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Organic Prep

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

VOA Prep

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C188

Lab Sample ID: 880-23972-1

Date Collected: 01/16/23 08:45

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/27/23 22:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:25	01/27/23 22:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:25	01/27/23 22:49	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/25/23 14:25	01/27/23 22:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:25	01/27/23 22:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/25/23 14:25	01/27/23 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	01/25/23 14:25	01/27/23 22:49	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/25/23 14:25	01/27/23 22:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/30/23 11:35	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			02/02/23 13:26	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 F2 *	50.0	mg/Kg		01/30/23 16:08	02/01/23 11:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 16:08	02/01/23 11:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:08	02/01/23 11:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130	01/30/23 16:08	02/01/23 11:30	1
o-Terphenyl (Surr)	75		70 - 130	01/30/23 16:08	02/01/23 11:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		4.99	mg/Kg			01/29/23 22:16	1

Client Sample ID: C189

Lab Sample ID: 880-23972-2

Date Collected: 01/16/23 08:46

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/27/23 23:10	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:25	01/27/23 23:10	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:25	01/27/23 23:10	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/25/23 14:25	01/27/23 23:10	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:25	01/27/23 23:10	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/25/23 14:25	01/27/23 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	01/25/23 14:25	01/27/23 23:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/25/23 14:25	01/27/23 23:10	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C189

Lab Sample ID: 880-23972-2

Date Collected: 01/16/23 08:46

Matrix: Solid

Date Received: 01/23/23 08:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/30/23 11:35	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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 12:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 12:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 12:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	68	S1-	70 - 130			01/30/23 16:08	02/01/23 12:35	1
o-Terphenyl (Surr)	71		70 - 130			01/30/23 16:08	02/01/23 12:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.8		4.95	mg/Kg			01/29/23 22:21	1

Client Sample ID: C190

Lab Sample ID: 880-23972-3

Date Collected: 01/16/23 08:47

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/27/23 23:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/25/23 14:25	01/27/23 23:30	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/25/23 14:25	01/27/23 23:30	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/25/23 14:25	01/27/23 23:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/25/23 14:25	01/27/23 23:30	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/25/23 14:25	01/27/23 23:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			01/25/23 14:25	01/27/23 23:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130			01/25/23 14:25	01/27/23 23:30	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			01/30/23 11:35	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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 12:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 16:08	02/01/23 12:56	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C190

Lab Sample ID: 880-23972-3

Date Collected: 01/16/23 08:47

Matrix: Solid

Date Received: 01/23/23 08:16

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 16:08	02/01/23 12:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130			01/30/23 16:08	02/01/23 12:56	1
o-Terphenyl (Surr)	77		70 - 130			01/30/23 16:08	02/01/23 12:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	335		5.05	mg/Kg			01/29/23 22:26	1

Client Sample ID: C191

Lab Sample ID: 880-23972-4

Date Collected: 01/16/23 08:48

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/27/23 23:51	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/27/23 23:51	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/27/23 23:51	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/27/23 23:51	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/27/23 23:51	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/27/23 23:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			01/25/23 14:25	01/27/23 23:51	1
1,4-Difluorobenzene (Surr)	100		70 - 130			01/25/23 14:25	01/27/23 23:51	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			01/30/23 11:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.5		50.0	mg/Kg			02/02/23 13:26	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		01/30/23 16:08	02/01/23 13:17	1
Diesel Range Organics (Over C10-C28)	64.5		50.0	mg/Kg		01/30/23 16:08	02/01/23 13:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:08	02/01/23 13:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			01/30/23 16:08	02/01/23 13:17	1
o-Terphenyl (Surr)	85		70 - 130			01/30/23 16:08	02/01/23 13:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	488		5.04	mg/Kg			01/29/23 22:31	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C192

Lab Sample ID: 880-23972-5

Date Collected: 01/16/23 08:49

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 00:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 00:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 00:11	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/25/23 14:25	01/28/23 00:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 00:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/25/23 14:25	01/28/23 00:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/25/23 14:25	01/28/23 00:11	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/25/23 14:25	01/28/23 00:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/30/23 11:35	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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 13:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 13:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130	01/30/23 16:08	02/01/23 13:39	1
o-Terphenyl (Surr)	81		70 - 130	01/30/23 16:08	02/01/23 13:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.4	F1	4.97	mg/Kg			01/29/23 22:36	1

Client Sample ID: C155

Lab Sample ID: 880-23972-6

Date Collected: 01/16/23 08:50

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 00:32	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 00:32	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 00:32	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 00:32	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 00:32	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 00:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	01/25/23 14:25	01/28/23 00:32	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/25/23 14:25	01/28/23 00:32	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C155

Lab Sample ID: 880-23972-6

Date Collected: 01/16/23 08:50

Matrix: Solid

Date Received: 01/23/23 08:16

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			01/30/23 11:35	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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 14:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 14:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 14:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			01/30/23 16:08	02/01/23 14:01	1
o-Terphenyl (Surr)	86		70 - 130			01/30/23 16:08	02/01/23 14:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.1		5.05	mg/Kg			01/29/23 22:50	1

Client Sample ID: S-28 3'

Lab Sample ID: 880-23972-7

Date Collected: 01/16/23 08:51

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 00:53	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/25/23 14:25	01/28/23 00:53	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/25/23 14:25	01/28/23 00:53	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/25/23 14:25	01/28/23 00:53	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/25/23 14:25	01/28/23 00:53	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/25/23 14:25	01/28/23 00:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			01/25/23 14:25	01/28/23 00:53	1
1,4-Difluorobenzene (Surr)	101		70 - 130			01/25/23 14:25	01/28/23 00:53	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			01/30/23 11:35	1

Method: SW846 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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 14:22	1
Diesel Range Organics (Over C10-C28)	60.2		49.9	mg/Kg		01/30/23 16:08	02/01/23 14:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: S-28 3'

Date Collected: 01/16/23 08:51

Date Received: 01/23/23 08:16

Lab Sample ID: 880-23972-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 14:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	68	S1-	70 - 130			01/30/23 16:08	02/01/23 14:22	1
o-Terphenyl (Surr)	73		70 - 130			01/30/23 16:08	02/01/23 14:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		4.96	mg/Kg			01/29/23 22:55	1

Client Sample ID: S-28 5'

Date Collected: 01/16/23 08:52

Date Received: 01/23/23 08:16

Lab Sample ID: 880-23972-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 01:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 01:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 01:13	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/25/23 14:25	01/28/23 01:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 01:13	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/25/23 14:25	01/28/23 01:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			01/25/23 14:25	01/28/23 01:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130			01/25/23 14:25	01/28/23 01:13	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			01/30/23 11:35	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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 14:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 14:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 14:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			01/30/23 16:08	02/01/23 14:44	1
o-Terphenyl (Surr)	90		70 - 130			01/30/23 16:08	02/01/23 14:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	662		5.02	mg/Kg			01/29/23 23:09	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: S-28 10'

Lab Sample ID: 880-23972-9

Date Collected: 01/16/23 11:30

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 01:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 01:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 01:34	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/25/23 14:25	01/28/23 01:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 01:34	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/25/23 14:25	01/28/23 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	01/25/23 14:25	01/28/23 01:34	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/25/23 14:25	01/28/23 01:34	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			01/30/23 11:35	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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 15:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 15:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130	01/30/23 16:08	02/01/23 15:05	1
o-Terphenyl (Surr)	86		70 - 130	01/30/23 16:08	02/01/23 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	377		4.99	mg/Kg			01/29/23 23:14	1

Client Sample ID: C196

Lab Sample ID: 880-23972-10

Date Collected: 01/16/23 13:30

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 01:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 01:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 01:55	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 01:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 01:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	01/25/23 14:25	01/28/23 01:55	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/25/23 14:25	01/28/23 01:55	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C196

Lab Sample ID: 880-23972-10

Date Collected: 01/16/23 13:30

Matrix: Solid

Date Received: 01/23/23 08:16

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			01/30/23 11:35	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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 15:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 16:08	02/01/23 15:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:08	02/01/23 15:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			01/30/23 16:08	02/01/23 15:27	1
o-Terphenyl (Surr)	85		70 - 130			01/30/23 16:08	02/01/23 15:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		4.95	mg/Kg			01/29/23 23:19	1

Client Sample ID: C179

Lab Sample ID: 880-23972-11

Date Collected: 01/16/23 13:40

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 03:20	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 03:20	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 03:20	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 03:20	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 03:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 03:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130			01/25/23 14:25	01/28/23 03:20	1
1,4-Difluorobenzene (Surr)	109		70 - 130			01/25/23 14:25	01/28/23 03:20	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			01/30/23 11:35	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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 16:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 16:35	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C179

Lab Sample ID: 880-23972-11

Date Collected: 01/16/23 13:40

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/30/23 16:08	02/01/23 16:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			01/30/23 16:08	02/01/23 16:35	1
o-Terphenyl (Surr)	88		70 - 130			01/30/23 16:08	02/01/23 16:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	437		4.95	mg/Kg			01/29/23 23:24	1

Client Sample ID: C180

Lab Sample ID: 880-23972-12

Date Collected: 01/16/23 13:41

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 03:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 03:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 03:41	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 03:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 03:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 03:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130			01/25/23 14:25	01/28/23 03:41	1
1,4-Difluorobenzene (Surr)	104		70 - 130			01/25/23 14:25	01/28/23 03:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 11:35	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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 16:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 16:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 16:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	69	S1-	70 - 130			01/30/23 16:08	02/01/23 16:55	1
o-Terphenyl (Surr)	72		70 - 130			01/30/23 16:08	02/01/23 16:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		4.97	mg/Kg			01/29/23 23:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C154

Lab Sample ID: 880-23972-13

Date Collected: 01/16/23 15:15

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 04:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 04:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 04:02	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 04:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 04:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	01/25/23 14:25	01/28/23 04:02	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/25/23 14:25	01/28/23 04:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 11:35	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			02/02/23 13:26	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		01/30/23 16:08	02/01/23 17:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 16:08	02/01/23 17:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 16:08	02/01/23 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	69	S1-	70 - 130	01/30/23 16:08	02/01/23 17:15	1
o-Terphenyl (Surr)	74		70 - 130	01/30/23 16:08	02/01/23 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246		5.00	mg/Kg			01/29/23 23:33	1

Client Sample ID: C147

Lab Sample ID: 880-23972-14

Date Collected: 01/16/23 15:16

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 04:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 04:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 04:23	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/25/23 14:25	01/28/23 04:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 04:23	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/25/23 14:25	01/28/23 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	01/25/23 14:25	01/28/23 04:23	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/25/23 14:25	01/28/23 04:23	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C147

Lab Sample ID: 880-23972-14

Date Collected: 01/16/23 15:16

Matrix: Solid

Date Received: 01/23/23 08:16

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			01/30/23 11:35	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			02/01/23 09:57	1

Method: 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 13:01	01/31/23 21:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 13:01	01/31/23 21:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 13:01	01/31/23 21:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			01/30/23 13:01	01/31/23 21:02	1
o-Terphenyl (Surr)	111		70 - 130			01/30/23 13:01	01/31/23 21:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246		4.96	mg/Kg			01/29/23 23:38	1

Client Sample ID: SW16

Lab Sample ID: 880-23972-17

Date Collected: 01/17/23 11:32

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 05:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 05:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 05:24	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 05:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 05:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 05:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			01/25/23 14:25	01/28/23 05:24	1
1,4-Difluorobenzene (Surr)	99		70 - 130			01/25/23 14:25	01/28/23 05:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/30/23 11:35	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			02/01/23 10:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/23 13:05	02/01/23 01:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/31/23 13:05	02/01/23 01:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: SW16

Lab Sample ID: 880-23972-17

Date Collected: 01/17/23 11:32

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/31/23 13:05	02/01/23 01:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			01/31/23 13:05	02/01/23 01:06	1
o-Terphenyl (Surr)	101		70 - 130			01/31/23 13:05	02/01/23 01:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	593		24.9	mg/Kg			01/30/23 03:24	5

Client Sample ID: SW30

Lab Sample ID: 880-23972-18

Date Collected: 01/17/23 11:33

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 05:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 05:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 05:44	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 05:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:25	01/28/23 05:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:25	01/28/23 05:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			01/25/23 14:25	01/28/23 05:44	1
1,4-Difluorobenzene (Surr)	92		70 - 130			01/25/23 14:25	01/28/23 05:44	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			01/30/23 11:35	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			02/01/23 10:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/31/23 13:05	02/01/23 01:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/31/23 13:05	02/01/23 01:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/23 13:05	02/01/23 01:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130			01/31/23 13:05	02/01/23 01:51	1
o-Terphenyl (Surr)	96		70 - 130			01/31/23 13:05	02/01/23 01:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.7		5.05	mg/Kg			01/30/23 03:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: SW3

Lab Sample ID: 880-23972-19

Date Collected: 01/18/23 08:00

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 06:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 06:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 06:05	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/25/23 14:25	01/28/23 06:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/28/23 06:05	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/25/23 14:25	01/28/23 06:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	01/25/23 14:25	01/28/23 06:05	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/25/23 14:25	01/28/23 06:05	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			01/30/23 11:35	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			02/03/23 17:31	1

Method: 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		02/01/23 13:05	02/03/23 12:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/23 13:05	02/03/23 12:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/23 13:05	02/03/23 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	02/01/23 13:05	02/03/23 12:45	1
o-Terphenyl (Surr)	84		70 - 130	02/01/23 13:05	02/03/23 12:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	550		4.99	mg/Kg			01/30/23 03:34	1

Client Sample ID: SW2

Lab Sample ID: 880-23972-20

Date Collected: 01/18/23 08:01

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:25	01/28/23 06:25	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:25	01/28/23 06:25	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:25	01/28/23 06:25	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/25/23 14:25	01/28/23 06:25	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:25	01/28/23 06:25	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/25/23 14:25	01/28/23 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	01/25/23 14:25	01/28/23 06:25	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/25/23 14:25	01/28/23 06:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: SW2

Lab Sample ID: 880-23972-20

Date Collected: 01/18/23 08:01

Matrix: Solid

Date Received: 01/23/23 08:16

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			01/30/23 11:35	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			02/03/23 17:31	1

Method: 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		02/01/23 13:05	02/03/23 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/23 13:05	02/03/23 13:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/23 13:05	02/03/23 13:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			02/01/23 13:05	02/03/23 13:06	1
o-Terphenyl (Surr)	95		70 - 130			02/01/23 13:05	02/03/23 13:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		5.01	mg/Kg			01/30/23 03:48	1

Client Sample ID: C105

Lab Sample ID: 880-23972-21

Date Collected: 01/19/23 09:30

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 13:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 13:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 13:12	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/25/23 14:30	01/30/23 13:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 13:12	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/25/23 14:30	01/30/23 13:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	205	S1+	70 - 130			01/25/23 14:30	01/30/23 13:12	1
1,4-Difluorobenzene (Surr)	80		70 - 130			01/25/23 14:30	01/30/23 13:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/02/23 21:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/02/23 21:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C105

Lab Sample ID: 880-23972-21

Date Collected: 01/19/23 09:30

Matrix: Solid

Date Received: 01/23/23 08:16

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		02/01/23 13:08	02/02/23 21:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			02/01/23 13:08	02/02/23 21:22	1
o-Terphenyl (Surr)	105		70 - 130			02/01/23 13:08	02/02/23 21:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.6		5.05	mg/Kg			01/29/23 18:40	1

Client Sample ID: C112

Lab Sample ID: 880-23972-22

Date Collected: 01/19/23 09:31

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 13:39	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:30	01/30/23 13:39	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:30	01/30/23 13:39	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		01/25/23 14:30	01/30/23 13:39	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:30	01/30/23 13:39	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/25/23 14:30	01/30/23 13:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	212	S1+	70 - 130			01/25/23 14:30	01/30/23 13:39	1
1,4-Difluorobenzene (Surr)	79		70 - 130			01/25/23 14:30	01/30/23 13:39	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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/02/23 22:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/02/23 22:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/02/23 22:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			02/01/23 13:08	02/02/23 22:26	1
o-Terphenyl (Surr)	103		70 - 130			02/01/23 13:08	02/02/23 22:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.0		5.00	mg/Kg			01/29/23 18:54	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C104

Lab Sample ID: 880-23972-23

Date Collected: 01/19/23 09:32

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 14:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 14:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 14:05	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:30	01/30/23 14:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 14:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:30	01/30/23 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	223	S1+	70 - 130	01/25/23 14:30	01/30/23 14:05	1
1,4-Difluorobenzene (Surr)	76		70 - 130	01/25/23 14:30	01/30/23 14:05	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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/02/23 22:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/02/23 22:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/02/23 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	02/01/23 13:08	02/02/23 22:47	1
o-Terphenyl (Surr)	114		70 - 130	02/01/23 13:08	02/02/23 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432		4.99	mg/Kg			01/29/23 18:59	1

Client Sample ID: C111

Lab Sample ID: 880-23972-24

Date Collected: 01/19/23 09:33

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 14:32	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:30	01/30/23 14:32	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:30	01/30/23 14:32	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/25/23 14:30	01/30/23 14:32	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:30	01/30/23 14:32	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/25/23 14:30	01/30/23 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	215	S1+	70 - 130	01/25/23 14:30	01/30/23 14:32	1
1,4-Difluorobenzene (Surr)	74		70 - 130	01/25/23 14:30	01/30/23 14:32	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C111

Lab Sample ID: 880-23972-24

Date Collected: 01/19/23 09:33

Matrix: Solid

Date Received: 01/23/23 08:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/02/23 23:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/02/23 23:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/02/23 23:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130			02/01/23 13:08	02/02/23 23:08	1
o-Terphenyl (Surr)	119		70 - 130			02/01/23 13:08	02/02/23 23:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	304		4.95	mg/Kg			01/29/23 19:04	1

Client Sample ID: C103

Lab Sample ID: 880-23972-25

Date Collected: 01/19/23 09:34

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 14:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 14:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 14:59	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/25/23 14:30	01/30/23 14:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 14:59	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/25/23 14:30	01/30/23 14:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	213	S1+	70 - 130			01/25/23 14:30	01/30/23 14:59	1
1,4-Difluorobenzene (Surr)	77		70 - 130			01/25/23 14:30	01/30/23 14:59	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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/02/23 23:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/02/23 23:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C103

Lab Sample ID: 880-23972-25

Date Collected: 01/19/23 09:34

Matrix: Solid

Date Received: 01/23/23 08:16

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		02/01/23 13:08	02/02/23 23:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			02/01/23 13:08	02/02/23 23:29	1
o-Terphenyl (Surr)	100		70 - 130			02/01/23 13:08	02/02/23 23:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	338		24.9	mg/Kg			01/29/23 19:09	5

Client Sample ID: C102

Lab Sample ID: 880-23972-26

Date Collected: 01/19/23 10:00

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 15:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 15:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 15:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:30	01/30/23 15:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 15:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:30	01/30/23 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	206	S1+	70 - 130			01/25/23 14:30	01/30/23 15:25	1
1,4-Difluorobenzene (Surr)	81		70 - 130			01/25/23 14:30	01/30/23 15:25	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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/02/23 23:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/02/23 23:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/02/23 23:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			02/01/23 13:08	02/02/23 23:50	1
o-Terphenyl (Surr)	112		70 - 130			02/01/23 13:08	02/02/23 23:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	481		25.3	mg/Kg			01/29/23 19:23	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C110

Lab Sample ID: 880-23972-27

Date Collected: 01/19/23 10:30

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 15:52	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/25/23 14:30	01/30/23 15:52	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/25/23 14:30	01/30/23 15:52	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/25/23 14:30	01/30/23 15:52	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/25/23 14:30	01/30/23 15:52	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/25/23 14:30	01/30/23 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	226	S1+	70 - 130	01/25/23 14:30	01/30/23 15:52	1
1,4-Difluorobenzene (Surr)	82		70 - 130	01/25/23 14:30	01/30/23 15:52	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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 00:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 00:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	02/01/23 13:08	02/03/23 00:12	1
o-Terphenyl (Surr)	110		70 - 130	02/01/23 13:08	02/03/23 00:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	517		24.9	mg/Kg			01/29/23 19:28	5

Client Sample ID: C109

Lab Sample ID: 880-23972-28

Date Collected: 01/19/23 10:31

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 16:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 16:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 16:19	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:30	01/30/23 16:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 16:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:30	01/30/23 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	214	S1+	70 - 130	01/25/23 14:30	01/30/23 16:19	1
1,4-Difluorobenzene (Surr)	81		70 - 130	01/25/23 14:30	01/30/23 16:19	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C109

Lab Sample ID: 880-23972-28

Date Collected: 01/19/23 10:31

Matrix: Solid

Date Received: 01/23/23 08:16

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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 00:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 00:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 00:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130			02/01/23 13:08	02/03/23 00:33	1
o-Terphenyl (Surr)	122		70 - 130			02/01/23 13:08	02/03/23 00:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	620		5.00	mg/Kg			01/29/23 19:33	1

Client Sample ID: C100

Lab Sample ID: 880-23972-29

Date Collected: 01/19/23 13:00

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 16:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 16:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 16:46	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/25/23 14:30	01/30/23 16:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 16:46	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/25/23 14:30	01/30/23 16:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	254	S1+	70 - 130			01/25/23 14:30	01/30/23 16:46	1
1,4-Difluorobenzene (Surr)	90		70 - 130			01/25/23 14:30	01/30/23 16:46	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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 00:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 00:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C100

Lab Sample ID: 880-23972-29

Date Collected: 01/19/23 13:00

Matrix: Solid

Date Received: 01/23/23 08:16

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 00:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			02/01/23 13:08	02/03/23 00:55	1
o-Terphenyl (Surr)	117		70 - 130			02/01/23 13:08	02/03/23 00:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.5		4.95	mg/Kg			01/29/23 19:38	1

Client Sample ID: C101

Lab Sample ID: 880-23972-30

Date Collected: 01/19/23 13:01

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 17:13	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:30	01/30/23 17:13	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:30	01/30/23 17:13	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/25/23 14:30	01/30/23 17:13	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/25/23 14:30	01/30/23 17:13	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/25/23 14:30	01/30/23 17:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	232	S1+	70 - 130			01/25/23 14:30	01/30/23 17:13	1
1,4-Difluorobenzene (Surr)	87		70 - 130			01/25/23 14:30	01/30/23 17:13	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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/03/23 01:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/03/23 01:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/23 13:08	02/03/23 01:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			02/01/23 13:08	02/03/23 01:16	1
o-Terphenyl (Surr)	117		70 - 130			02/01/23 13:08	02/03/23 01:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315		24.8	mg/Kg			01/29/23 19:42	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C106

Lab Sample ID: 880-23972-31

Date Collected: 01/19/23 13:02

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 19:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 19:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 19:00	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:30	01/30/23 19:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 19:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:30	01/30/23 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	218	S1+	70 - 130	01/25/23 14:30	01/30/23 19:00	1
1,4-Difluorobenzene (Surr)	73		70 - 130	01/25/23 14:30	01/30/23 19:00	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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 02:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 02:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130	02/01/23 13:08	02/03/23 02:00	1
o-Terphenyl (Surr)	147	S1+	70 - 130	02/01/23 13:08	02/03/23 02:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		4.98	mg/Kg			01/29/23 19:47	1

Client Sample ID: C107

Lab Sample ID: 880-23972-32

Date Collected: 01/19/23 13:03

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 19:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 19:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 19:27	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/25/23 14:30	01/30/23 19:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 19:27	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/25/23 14:30	01/30/23 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	224	S1+	70 - 130	01/25/23 14:30	01/30/23 19:27	1
1,4-Difluorobenzene (Surr)	76		70 - 130	01/25/23 14:30	01/30/23 19:27	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C107

Lab Sample ID: 880-23972-32

Date Collected: 01/19/23 13:03

Matrix: Solid

Date Received: 01/23/23 08:16

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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 02:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 02:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 02:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			02/01/23 13:08	02/03/23 02:21	1
o-Terphenyl (Surr)	118		70 - 130			02/01/23 13:08	02/03/23 02:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		5.00	mg/Kg			01/29/23 20:02	1

Client Sample ID: C108

Lab Sample ID: 880-23972-33

Date Collected: 01/19/23 13:04

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 19:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 19:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 19:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/25/23 14:30	01/30/23 19:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/25/23 14:30	01/30/23 19:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/25/23 14:30	01/30/23 19:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	248	S1+	70 - 130			01/25/23 14:30	01/30/23 19:53	1
1,4-Difluorobenzene (Surr)	83		70 - 130			01/25/23 14:30	01/30/23 19:53	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			01/31/23 13:34	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			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 02:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 02:43	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C108

Lab Sample ID: 880-23972-33

Date Collected: 01/19/23 13:04

Matrix: Solid

Date Received: 01/23/23 08:16

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/03/23 02:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			02/01/23 13:08	02/03/23 02:43	1
o-Terphenyl (Surr)	114		70 - 130			02/01/23 13:08	02/03/23 02:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.7		4.97	mg/Kg			01/29/23 20:06	1

Client Sample ID: SW34

Lab Sample ID: 880-23972-34

Date Collected: 01/20/23 09:00

Matrix: Solid

Date Received: 01/23/23 08:16

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		01/25/23 14:30	01/30/23 20:20	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:30	01/30/23 20:20	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:30	01/30/23 20:20	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		01/25/23 14:30	01/30/23 20:20	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/25/23 14:30	01/30/23 20:20	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/25/23 14:30	01/30/23 20:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	214	S1+	70 - 130			01/25/23 14:30	01/30/23 20:20	1
1,4-Difluorobenzene (Surr)	79		70 - 130			01/25/23 14:30	01/30/23 20:20	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			01/31/23 13:34	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			02/05/23 09:18	1

Method: 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		02/02/23 13:37	02/04/23 18:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/23 13:37	02/04/23 18:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/23 13:37	02/04/23 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			02/02/23 13:37	02/04/23 18:27	1
o-Terphenyl (Surr)	107		70 - 130			02/02/23 13:37	02/04/23 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.6		5.04	mg/Kg			01/29/23 20:21	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: SW34A

Lab Sample ID: 880-23972-35

Date Collected: 01/20/23 09:15

Matrix: Solid

Date Received: 01/23/23 08:16

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		02/02/23 12:47	02/02/23 23:23	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/23 12:47	02/02/23 23:23	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/23 12:47	02/02/23 23:23	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/23 12:47	02/02/23 23:23	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/23 12:47	02/02/23 23:23	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/02/23 12:47	02/02/23 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	02/02/23 12:47	02/02/23 23:23	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/02/23 12:47	02/02/23 23:23	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			02/03/23 09:11	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			02/05/23 09:18	1

Method: 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		02/02/23 13:37	02/04/23 18:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/23 13:37	02/04/23 18:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/23 13:37	02/04/23 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130	02/02/23 13:37	02/04/23 18:48	1
o-Terphenyl (Surr)	92		70 - 130	02/02/23 13:37	02/04/23 18:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		4.99	mg/Kg			01/29/23 20:26	1

Client Sample ID: SW31

Lab Sample ID: 880-23972-36

Date Collected: 01/20/23 09:30

Matrix: Solid

Date Received: 01/23/23 08:16

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		02/02/23 12:47	02/02/23 23:43	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/23 12:47	02/02/23 23:43	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/23 12:47	02/02/23 23:43	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/02/23 12:47	02/02/23 23:43	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/23 12:47	02/02/23 23:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/02/23 12:47	02/02/23 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	02/02/23 12:47	02/02/23 23:43	1
1,4-Difluorobenzene (Surr)	72		70 - 130	02/02/23 12:47	02/02/23 23:43	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: SW31

Lab Sample ID: 880-23972-36

Date Collected: 01/20/23 09:30

Matrix: Solid

Date Received: 01/23/23 08:16

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			02/03/23 09:11	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			02/05/23 09:18	1

Method: 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		02/02/23 13:37	02/04/23 19:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/23 13:37	02/04/23 19:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/23 13:37	02/04/23 19:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			02/02/23 13:37	02/04/23 19:10	1
o-Terphenyl (Surr)	91		70 - 130			02/02/23 13:37	02/04/23 19:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		4.95	mg/Kg			01/30/23 14:28	1

Client Sample ID: SW31A

Lab Sample ID: 880-23972-37

Date Collected: 01/20/23 09:45

Matrix: Solid

Date Received: 01/23/23 08:16

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		02/02/23 12:47	02/03/23 00:04	1
Toluene	0.00223		0.00200	mg/Kg		02/02/23 12:47	02/03/23 00:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/23 12:47	02/03/23 00:04	1
m,p-Xylenes	0.00758		0.00399	mg/Kg		02/02/23 12:47	02/03/23 00:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/23 12:47	02/03/23 00:04	1
Xylenes, Total	0.00758		0.00399	mg/Kg		02/02/23 12:47	02/03/23 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			02/02/23 12:47	02/03/23 00:04	1
1,4-Difluorobenzene (Surr)	87		70 - 130			02/02/23 12:47	02/03/23 00:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00981		0.00399	mg/Kg			02/03/23 09:11	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			02/05/23 09:18	1

Method: 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		02/02/23 13:37	02/04/23 19:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/02/23 13:37	02/04/23 19:31	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: SW31A

Lab Sample ID: 880-23972-37

Date Collected: 01/20/23 09:45

Matrix: Solid

Date Received: 01/23/23 08:16

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		02/02/23 13:37	02/04/23 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	02/02/23 13:37	02/04/23 19:31	1
o-Terphenyl (Surr)	90		70 - 130	02/02/23 13:37	02/04/23 19:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		25.3	mg/Kg			01/29/23 20:35	5

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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)
880-23972-1	C188	102	90
880-23972-1 MS	C188	99	107
880-23972-1 MSD	C188	113	98
880-23972-2	C189	86	101
880-23972-3	C190	110	91
880-23972-4	C191	85	100
880-23972-5	C192	112	95
880-23972-6	C155	115	89
880-23972-7	S-28 3'	90	101
880-23972-8	S-28 5'	98	99
880-23972-9	S-28 10'	87	103
880-23972-10	C196	88	105
880-23972-11	C179	80	109
880-23972-12	C180	81	104
880-23972-13	C154	88	97
880-23972-14	C147	85	105
880-23972-17	SW16	86	99
880-23972-18	SW30	89	92
880-23972-19	SW3	89	94
880-23972-20	SW2	85	92
880-23972-21	C105	205 S1+	80
880-23972-21 MS	C105	199 S1+	85
880-23972-21 MSD	C105	199 S1+	95
880-23972-22	C112	212 S1+	79
880-23972-23	C104	223 S1+	76
880-23972-24	C111	215 S1+	74
880-23972-25	C103	213 S1+	77
880-23972-26	C102	206 S1+	81
880-23972-27	C110	226 S1+	82
880-23972-28	C109	214 S1+	81
880-23972-29	C100	254 S1+	90
880-23972-30	C101	232 S1+	87
880-23972-31	C106	218 S1+	73
880-23972-32	C107	224 S1+	76
880-23972-33	C108	248 S1+	83
880-23972-34	SW34	214 S1+	79
880-23972-35	SW34A	88	92
880-23972-36	SW31	87	72
880-23972-37	SW31A	90	87
LCS 880-44734/1-A	Lab Control Sample	105	105
LCS 880-44735/1-A	Lab Control Sample	173 S1+	77
LCS 880-45260/1-A	Lab Control Sample	106	101
LCSD 880-44734/2-A	Lab Control Sample Dup	110	110
LCSD 880-44735/2-A	Lab Control Sample Dup	184 S1+	90
LCSD 880-45260/2-A	Lab Control Sample Dup	96	110
MB 880-44734/5-A	Method Blank	74	92
MB 880-44735/5-A	Method Blank	134 S1+	71
MB 880-44882/5-A	Method Blank	74	95
MB 880-45241/5-A	Method Blank	75	92

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23972-1

Project/Site: Hayhurst Pond 2

SDG: 22-0107-01

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)
MB 880-45260/5-A	Method Blank	69 S1-	91
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-23972-1	C188	71	75
880-23972-1 MS	C188	78	75
880-23972-1 MSD	C188	93	91
880-23972-2	C189	68 S1-	71
880-23972-3	C190	72	77
880-23972-4	C191	79	85
880-23972-5	C192	75	81
880-23972-6	C155	78	86
880-23972-7	S-28 3'	68 S1-	73
880-23972-8	S-28 5'	82	90
880-23972-9	S-28 10'	78	86
880-23972-10	C196	78	85
880-23972-11	C179	80	88
880-23972-12	C180	69 S1-	72
880-23972-13	C154	69 S1-	74
880-23972-14	C147	120	111
880-23972-14 MS	C147	118	103
880-23972-14 MSD	C147	117	103
880-23972-17	SW16	92	101
880-23972-18	SW30	84	96
880-23972-19	SW3	87	84
880-23972-20	SW2	102	95
880-23972-21	C105	103	105
880-23972-21 MS	C105	91	88
880-23972-21 MSD	C105	86	82
880-23972-22	C112	106	103
880-23972-23	C104	121	114
880-23972-24	C111	122	119
880-23972-25	C103	100	100
880-23972-26	C102	114	112
880-23972-27	C110	105	110
880-23972-28	C109	123	122
880-23972-29	C100	115	117
880-23972-30	C101	116	117
880-23972-31	C106	117	147 S1+
880-23972-32	C107	120	118
880-23972-33	C108	121	114
880-23972-34	SW34	98	107
880-23972-35	SW34A	83	92

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23972-1

Project/Site: Hayhurst Pond 2

SDG: 22-0107-01

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)
880-23972-36	SW31	83	91
880-23972-37	SW31A	82	90
LCS 880-45089/2-A	Lab Control Sample	84	89
LCS 880-45125/2-A	Lab Control Sample	112	102
LCS 880-45126/2-A	Lab Control Sample	76	87
LCS 880-45210/2-A	Lab Control Sample	123	110
LCS 880-45211/2-A	Lab Control Sample	111	100
LCS 880-45267/2-A	Lab Control Sample	87	91
LCSD 880-45089/3-A	Lab Control Sample Dup	75	73
LCSD 880-45125/3-A	Lab Control Sample Dup	89	94
LCSD 880-45126/3-A	Lab Control Sample Dup	84	90
LCSD 880-45210/3-A	Lab Control Sample Dup	102	92
LCSD 880-45211/3-A	Lab Control Sample Dup	115	105
LCSD 880-45267/3-A	Lab Control Sample Dup	85	90
MB 880-45089/1-A	Method Blank	94	111
MB 880-45125/1-A	Method Blank	141 S1+	136 S1+
MB 880-45126/1-A	Method Blank	138 S1+	161 S1+
MB 880-45210/1-A	Method Blank	117	117
MB 880-45211/1-A	Method Blank	124	130
MB 880-45267/1-A	Method Blank	112	123

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44734/5-A

Matrix: Solid

Analysis Batch: 44881

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44734

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/27/23 22:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/27/23 22:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/27/23 22:28	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/25/23 14:25	01/27/23 22:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:25	01/27/23 22:28	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/25/23 14:25	01/27/23 22:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	01/25/23 14:25	01/27/23 22:28	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/25/23 14:25	01/27/23 22:28	1

Lab Sample ID: LCS 880-44734/1-A

Matrix: Solid

Analysis Batch: 44881

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44734

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09062		mg/Kg		91	70 - 130
Toluene	0.100	0.08034		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.07844		mg/Kg		78	70 - 130
m,p-Xylenes	0.200	0.1670		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08801		mg/Kg		88	70 - 130

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

Lab Sample ID: LCSD 880-44734/2-A

Matrix: Solid

Analysis Batch: 44881

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44734

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08754		mg/Kg		88	70 - 130	3	35
Toluene	0.100	0.07960		mg/Kg		80	70 - 130	1	35
Ethylbenzene	0.100	0.07803		mg/Kg		78	70 - 130	1	35
m,p-Xylenes	0.200	0.1674		mg/Kg		84	70 - 130	0	35
o-Xylene	0.100	0.08772		mg/Kg		88	70 - 130	0	35

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

Lab Sample ID: 880-23972-1 MS

Matrix: Solid

Analysis Batch: 44881

Client Sample ID: C188

Prep Type: Total/NA

Prep Batch: 44734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1053		mg/Kg		105	70 - 130
Toluene	<0.00201	U	0.100	0.09008		mg/Kg		90	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: 880-23972-1 MS

Matrix: Solid

Analysis Batch: 44881

Client Sample ID: C188

Prep Type: Total/NA

Prep Batch: 44734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.08358		mg/Kg		83	70 - 130
m,p-Xylenes	<0.00402	U	0.201	0.1701		mg/Kg		85	70 - 130
o-Xylene	<0.00201	U	0.100	0.08605		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-23972-1 MSD

Matrix: Solid

Analysis Batch: 44881

Client Sample ID: C188

Prep Type: Total/NA

Prep Batch: 44734

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.0996	0.08752		mg/Kg		88	70 - 130	18	35
Toluene	<0.00201	U	0.0996	0.08784		mg/Kg		88	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.0996	0.08717		mg/Kg		88	70 - 130	4	35
m,p-Xylenes	<0.00402	U	0.199	0.1854		mg/Kg		93	70 - 130	9	35
o-Xylene	<0.00201	U	0.0996	0.09223		mg/Kg		93	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-44735/5-A

Matrix: Solid

Analysis Batch: 44984

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44735

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 12:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 12:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 12:46	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/25/23 14:30	01/30/23 12:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 14:30	01/30/23 12:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/25/23 14:30	01/30/23 12:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	01/25/23 14:30	01/30/23 12:46	1
1,4-Difluorobenzene (Surr)	71		70 - 130	01/25/23 14:30	01/30/23 12:46	1

Lab Sample ID: LCS 880-44735/1-A

Matrix: Solid

Analysis Batch: 44984

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44735

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	0.1113		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1191		mg/Kg		119	70 - 130
m,p-Xylenes	0.200	0.2421		mg/Kg		121	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: LCS 880-44735/1-A

Matrix: Solid

Analysis Batch: 44984

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44735

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1192		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	173	S1+	70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: LCSD 880-44735/2-A

Matrix: Solid

Analysis Batch: 44984

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44735

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1248		mg/Kg		125	70 - 130	17	35
Toluene	0.100	0.1185		mg/Kg		118	70 - 130	6	35
Ethylbenzene	0.100	0.1260		mg/Kg		126	70 - 130	6	35
m,p-Xylenes	0.200	0.2570		mg/Kg		128	70 - 130	6	35
o-Xylene	0.100	0.1261		mg/Kg		126	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	184	S1+	70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-23972-21 MS

Matrix: Solid

Analysis Batch: 44984

Client Sample ID: C105

Prep Type: Total/NA

Prep Batch: 44735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1031		mg/Kg		103	70 - 130
Toluene	<0.00200	U	0.100	0.09972		mg/Kg		99	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1034		mg/Kg		103	70 - 130
m,p-Xylenes	<0.00401	U	0.201	0.2093		mg/Kg		104	70 - 130
o-Xylene	<0.00200	U	0.100	0.1088		mg/Kg		108	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	199	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-23972-21 MSD

Matrix: Solid

Analysis Batch: 44984

Client Sample ID: C105

Prep Type: Total/NA

Prep Batch: 44735

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.0996	0.1066		mg/Kg		107	70 - 130	3	35
Toluene	<0.00200	U	0.0996	0.09730		mg/Kg		98	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0996	0.09713		mg/Kg		98	70 - 130	6	35
m,p-Xylenes	<0.00401	U	0.199	0.1968		mg/Kg		99	70 - 130	6	35
o-Xylene	<0.00200	U	0.0996	0.1011		mg/Kg		102	70 - 130	7	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: 880-23972-21 MSD

Matrix: Solid

Analysis Batch: 44984

Client Sample ID: C105

Prep Type: Total/NA

Prep Batch: 44735

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	199	S1+	70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-44882/5-A

Matrix: Solid

Analysis Batch: 44881

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44882

Analyte	MB	MB						
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/23 08:29	01/27/23 11:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/23 08:29	01/27/23 11:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/23 08:29	01/27/23 11:14	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/27/23 08:29	01/27/23 11:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/23 08:29	01/27/23 11:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/23 08:29	01/27/23 11:14	1

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	74		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

	Prepared	Analyzed	Dil Fac
	01/27/23 08:29	01/27/23 11:14	1
	01/27/23 08:29	01/27/23 11:14	1

Lab Sample ID: MB 880-45241/5-A

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45241

Analyte	MB	MB						
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/23 09:35	02/02/23 11:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/23 09:35	02/02/23 11:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/23 09:35	02/02/23 11:46	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/02/23 09:35	02/02/23 11:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/23 09:35	02/02/23 11:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/02/23 09:35	02/02/23 11:46	1

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	75		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

	Prepared	Analyzed	Dil Fac
	02/02/23 09:35	02/02/23 11:46	1
	02/02/23 09:35	02/02/23 11:46	1

Lab Sample ID: MB 880-45260/5-A

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45260

Analyte	MB	MB						
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/23 12:47	02/02/23 22:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/23 12:47	02/02/23 22:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/23 12:47	02/02/23 22:21	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/02/23 12:47	02/02/23 22:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/23 12:47	02/02/23 22:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/02/23 12:47	02/02/23 22:21	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: MB 880-45260/5-A

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45260

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	02/02/23 12:47	02/02/23 22:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/02/23 12:47	02/02/23 22:21	1

Lab Sample ID: LCS 880-45260/1-A

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1073		mg/Kg		107	70 - 130
Toluene	0.100	0.09934		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1045		mg/Kg		105	70 - 130
m,p-Xylenes	0.200	0.2173		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-45260/2-A

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45260

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1234		mg/Kg		123	70 - 130	14	35
Toluene	0.100	0.1051		mg/Kg		105	70 - 130	6	35
Ethylbenzene	0.100	0.1023		mg/Kg		102	70 - 130	2	35
m,p-Xylenes	0.200	0.2062		mg/Kg		103	70 - 130	5	35
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130	6	35

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

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

Lab Sample ID: MB 880-45089/1-A

Matrix: Solid

Analysis Batch: 45165

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45089

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 16:08	02/01/23 08:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 08:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 16:08	02/01/23 08:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	01/30/23 16:08	02/01/23 08:54	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: MB 880-45089/1-A

Matrix: Solid

Analysis Batch: 45165

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45089

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	111		70 - 130	01/30/23 16:08	02/01/23 08:54	1

Lab Sample ID: LCS 880-45089/2-A

Matrix: Solid

Analysis Batch: 45165

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45089

			Spike	LCS	LCS	%Rec					
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			999	790.8		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)			999	809.2		mg/Kg		81	70 - 130		
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	84		70 - 130								
o-Terphenyl (Surr)	89		70 - 130								

Lab Sample ID: LCSD 880-45089/3-A

Matrix: Solid

Analysis Batch: 45165

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45089

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			999	654.9	*-	mg/Kg	-	66	70 - 130	19	20
Diesel Range Organics (Over C10-C28)			999	738.8		mg/Kg		74	70 - 130	9	20

Lab Sample ID: 880-23972-1 MS

Matrix: Solid

Analysis Batch: 45165

Client Sample ID: C188

Prep Type: Total/NA

Prep Batch: 45089

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2 *-	1000	761.9		mg/Kg		72	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	937.2		mg/Kg		89	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	78		70 - 130								
o-Terphenyl (Surr)	75		70 - 130								

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: 880-23972-1 MSD

Matrix: Solid

Analysis Batch: 45165

Client Sample ID: C188

Prep Type: Total/NA

Prep Batch: 45089

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 F2 *-	998	1081	F2	mg/Kg		104	70 - 130	35	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1136		mg/Kg		110	70 - 130	19	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	93		70 - 130								
o-Terphenyl (Surr)	91		70 - 130								

Lab Sample ID: MB 880-45125/1-A

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45125

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		01/31/23 13:01	01/31/23 19:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 19:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/23 13:01	01/31/23 19:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	141	S1+	70 - 130			01/31/23 13:01	01/31/23 19:55	1
o-Terphenyl (Surr)	136	S1+	70 - 130			01/31/23 13:01	01/31/23 19:55	1

Lab Sample ID: LCS 880-45125/2-A

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	999	815.8		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)	999	832.9		mg/Kg		83	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	112		70 - 130						
o-Terphenyl (Surr)	102		70 - 130						

Lab Sample ID: LCSD 880-45125/3-A

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45125

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	847.0		mg/Kg		85	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	999	783.6		mg/Kg		78	70 - 130	6	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: LCSD 880-45125/3-A

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45125

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	89		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Lab Sample ID: 880-23972-14 MS

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: C147

Prep Type: Total/NA

Prep Batch: 45125

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	1000	1163		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1162		mg/Kg		116	70 - 130
Surrogate	%Recovery	Qualifier	Limits	MS	MS				
1-Chlorooctane (Surr)	118		70 - 130						
o-Terphenyl (Surr)	103		70 - 130						

Lab Sample ID: 880-23972-14 MSD

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: C147

Prep Type: Total/NA

Prep Batch: 45125

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	1110		mg/Kg		107	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1158		mg/Kg		116	70 - 130	0	20
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD						
1-Chlorooctane (Surr)	117		70 - 130								
o-Terphenyl (Surr)	103		70 - 130								

Lab Sample ID: MB 880-45126/1-A

Matrix: Solid

Analysis Batch: 45103

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45126

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		01/31/23 13:05	01/31/23 19:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/31/23 13:05	01/31/23 19:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/31/23 13:05	01/31/23 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	138	S1+	70 - 130			01/31/23 13:05	01/31/23 19:55	1
o-Terphenyl (Surr)	161	S1+	70 - 130			01/31/23 13:05	01/31/23 19:55	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: LCS 880-45126/2-A

Matrix: Solid

Analysis Batch: 45103

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	823.4		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	999	808.2		mg/Kg		81	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	76		70 - 130				
o-Terphenyl (Surr)	87		70 - 130				

Lab Sample ID: LCSD 880-45126/3-A

Matrix: Solid

Analysis Batch: 45103

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45126

Top Data: 10/10											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10			999	929.8		mg/Kg		93	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			999	935.2		mg/Kg		94	70 - 130	15	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane (Surr)	84		70 - 130								
o-Terphenyl (Surr)	90		70 - 130								

Lab Sample ID: MB 880-45210/1-A

Matrix: Solid

Analysis Batch: 45299

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45210

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/01/23 13:05	02/03/23 08:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:05	02/03/23 08:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/23 13:05	02/03/23 08:32	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
%Recovery	Qualifier							
1-Chlorooctane (Surr)	117		70 - 130			02/01/23 13:05	02/03/23 08:32	1
o-Terphenyl (Surr)	117		70 - 130			02/01/23 13:05	02/03/23 08:32	1

Lab Sample ID: LCS 880-45210/2-A

Matrix: Solid

Analysis Batch: 45299

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45210

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	1031		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	999	1013		mg/Kg		101	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: LCS 880-45210/2-A

Matrix: Solid

Analysis Batch: 45299

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45210

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	123		70 - 130
o-Terphenyl (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-45210/3-A

Matrix: Solid

Analysis Batch: 45299

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45210

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	855.5		mg/Kg		86	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	999	830.8		mg/Kg		83	70 - 130	20	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: MB 880-45211/1-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45211

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		02/01/23 13:08	02/02/23 20:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/02/23 20:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/23 13:08	02/02/23 20:18	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	124		70 - 130	02/01/23 13:08	02/02/23 20:18	1
o-Terphenyl (Surr)	130		70 - 130	02/01/23 13:08	02/02/23 20:18	1

Lab Sample ID: LCS 880-45211/2-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45211

	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	840.3		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	999	922.3		mg/Kg		92	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	100		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: LCSD 880-45211/3-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45211

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	848.1		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	999	939.0		mg/Kg		94	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	115		70 - 130						
o-Terphenyl (Surr)	105		70 - 130						

Lab Sample ID: 880-23972-21 MS

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: C105

Prep Type: Total/NA

Prep Batch: 45211

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	1158		mg/Kg		112	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1015		mg/Kg		102	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	91		70 - 130								
o-Terphenyl (Surr)	88		70 - 130								

Lab Sample ID: 880-23972-21 MSD

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: C105

Prep Type: Total/NA

Prep Batch: 45211

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	1061		mg/Kg		102	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	955.2		mg/Kg		96	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	86		70 - 130								
o-Terphenyl (Surr)	82		70 - 130								

Lab Sample ID: MB 880-45267/1-A

Matrix: Solid

Analysis Batch: 45445

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45267

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		02/02/23 13:37	02/04/23 08:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/23 13:37	02/04/23 08:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/23 13:37	02/04/23 08:56	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Lab Sample ID: MB 880-45267/1-A

Matrix: Solid

Analysis Batch: 45445

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45267

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130	02/02/23 13:37	02/04/23 08:56	1
o-Terphenyl (Surr)	123		70 - 130	02/02/23 13:37	02/04/23 08:56	1

Lab Sample ID: LCS 880-45267/2-A

Matrix: Solid

Analysis Batch: 45445

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	888.9		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	999	860.4		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	87		70 - 130
o-Terphenyl (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-45267/3-A

Matrix: Solid

Analysis Batch: 45445

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45267

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	802.7		mg/Kg		80	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	999	831.7		mg/Kg		83	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44785/1-A

Matrix: Solid

Analysis Batch: 45010

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			01/29/23 18:26	1

Lab Sample ID: LCS 880-44785/2-A

Matrix: Solid

Analysis Batch: 45010

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.2		mg/Kg		104	90 - 110

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-44785/3-A

Matrix: Solid

Analysis Batch: 45010

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	249.3		mg/Kg		100	90 - 110	4	20

Lab Sample ID: 880-23972-21 MS

Matrix: Solid

Analysis Batch: 45010

Client Sample ID: C105

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31.6		253	303.1		mg/Kg		108	90 - 110		

Lab Sample ID: 880-23972-21 MSD

Matrix: Solid

Analysis Batch: 45010

Client Sample ID: C105

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31.6		253	294.6		mg/Kg		104	90 - 110	3	20

Lab Sample ID: 880-23972-31 MS

Matrix: Solid

Analysis Batch: 45010

Client Sample ID: C106

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	208		249	453.6		mg/Kg		99	90 - 110		

Lab Sample ID: 880-23972-31 MSD

Matrix: Solid

Analysis Batch: 45010

Client Sample ID: C106

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	208		249	454.2		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-44786/1-A

Matrix: Solid

Analysis Batch: 45019

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			01/29/23 21:14	1

Lab Sample ID: LCS 880-44786/2-A

Matrix: Solid

Analysis Batch: 45019

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	262.5		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-44786/3-A

Matrix: Solid

Analysis Batch: 45019

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	3	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23972-5 MS

Matrix: Solid

Analysis Batch: 45019

Client Sample ID: C192

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	67.4	F1	249	342.8	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-23972-5 MSD

Matrix: Solid

Analysis Batch: 45019

Client Sample ID: C192

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	67.4	F1	249	359.0	F1	mg/Kg		117	90 - 110	5	20

Lab Sample ID: MB 880-44788/1-A

Matrix: Solid

Analysis Batch: 45028

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 02:50	1

Lab Sample ID: LCS 880-44788/2-A

Matrix: Solid

Analysis Batch: 45028

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.5		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-44788/3-A

Matrix: Solid

Analysis Batch: 45028

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	273.1		mg/Kg		109	90 - 110	3	20

Lab Sample ID: 880-23972-A-15-C MS

Matrix: Solid

Analysis Batch: 45028

Client Sample ID: 880-23972-A-15-C MS

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	316		250	564.7		mg/Kg		100	90 - 110

Lab Sample ID: 880-23972-A-15-D MSD

Matrix: Solid

Analysis Batch: 45028

Client Sample ID: 880-23972-A-15-D MSD

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	316		250	574.8		mg/Kg		104	90 - 110	2	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

GC VOA

Prep Batch: 44734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-1	C188	Total/NA	Solid	5035	
880-23972-2	C189	Total/NA	Solid	5035	
880-23972-3	C190	Total/NA	Solid	5035	
880-23972-4	C191	Total/NA	Solid	5035	
880-23972-5	C192	Total/NA	Solid	5035	
880-23972-6	C155	Total/NA	Solid	5035	
880-23972-7	S-28 3'	Total/NA	Solid	5035	
880-23972-8	S-28 5'	Total/NA	Solid	5035	
880-23972-9	S-28 10'	Total/NA	Solid	5035	
880-23972-10	C196	Total/NA	Solid	5035	
880-23972-11	C179	Total/NA	Solid	5035	
880-23972-12	C180	Total/NA	Solid	5035	
880-23972-13	C154	Total/NA	Solid	5035	
880-23972-14	C147	Total/NA	Solid	5035	
880-23972-17	SW16	Total/NA	Solid	5035	
880-23972-18	SW30	Total/NA	Solid	5035	
880-23972-19	SW3	Total/NA	Solid	5035	
880-23972-20	SW2	Total/NA	Solid	5035	
MB 880-44734/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44734/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44734/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23972-1 MS	C188	Total/NA	Solid	5035	
880-23972-1 MSD	C188	Total/NA	Solid	5035	

Prep Batch: 44735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-21	C105	Total/NA	Solid	5035	
880-23972-22	C112	Total/NA	Solid	5035	
880-23972-23	C104	Total/NA	Solid	5035	
880-23972-24	C111	Total/NA	Solid	5035	
880-23972-25	C103	Total/NA	Solid	5035	
880-23972-26	C102	Total/NA	Solid	5035	
880-23972-27	C110	Total/NA	Solid	5035	
880-23972-28	C109	Total/NA	Solid	5035	
880-23972-29	C100	Total/NA	Solid	5035	
880-23972-30	C101	Total/NA	Solid	5035	
880-23972-31	C106	Total/NA	Solid	5035	
880-23972-32	C107	Total/NA	Solid	5035	
880-23972-33	C108	Total/NA	Solid	5035	
880-23972-34	SW34	Total/NA	Solid	5035	
MB 880-44735/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44735/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44735/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23972-21 MS	C105	Total/NA	Solid	5035	
880-23972-21 MSD	C105	Total/NA	Solid	5035	

Analysis Batch: 44881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-1	C188	Total/NA	Solid	8021B	44734
880-23972-2	C189	Total/NA	Solid	8021B	44734
880-23972-3	C190	Total/NA	Solid	8021B	44734

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 44881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-4	C191	Total/NA	Solid	8021B	44734
880-23972-5	C192	Total/NA	Solid	8021B	44734
880-23972-6	C155	Total/NA	Solid	8021B	44734
880-23972-7	S-28 3'	Total/NA	Solid	8021B	44734
880-23972-8	S-28 5'	Total/NA	Solid	8021B	44734
880-23972-9	S-28 10'	Total/NA	Solid	8021B	44734
880-23972-10	C196	Total/NA	Solid	8021B	44734
880-23972-11	C179	Total/NA	Solid	8021B	44734
880-23972-12	C180	Total/NA	Solid	8021B	44734
880-23972-13	C154	Total/NA	Solid	8021B	44734
880-23972-14	C147	Total/NA	Solid	8021B	44734
880-23972-17	SW16	Total/NA	Solid	8021B	44734
880-23972-18	SW30	Total/NA	Solid	8021B	44734
880-23972-19	SW3	Total/NA	Solid	8021B	44734
880-23972-20	SW2	Total/NA	Solid	8021B	44734
MB 880-44734/5-A	Method Blank	Total/NA	Solid	8021B	44734
MB 880-44882/5-A	Method Blank	Total/NA	Solid	8021B	44882
LCS 880-44734/1-A	Lab Control Sample	Total/NA	Solid	8021B	44734
LCSD 880-44734/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44734
880-23972-1 MS	C188	Total/NA	Solid	8021B	44734
880-23972-1 MSD	C188	Total/NA	Solid	8021B	44734

Prep Batch: 44882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-44882/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 44984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-21	C105	Total/NA	Solid	8021B	44735
880-23972-22	C112	Total/NA	Solid	8021B	44735
880-23972-23	C104	Total/NA	Solid	8021B	44735
880-23972-24	C111	Total/NA	Solid	8021B	44735
880-23972-25	C103	Total/NA	Solid	8021B	44735
880-23972-26	C102	Total/NA	Solid	8021B	44735
880-23972-27	C110	Total/NA	Solid	8021B	44735
880-23972-28	C109	Total/NA	Solid	8021B	44735
880-23972-29	C100	Total/NA	Solid	8021B	44735
880-23972-30	C101	Total/NA	Solid	8021B	44735
880-23972-31	C106	Total/NA	Solid	8021B	44735
880-23972-32	C107	Total/NA	Solid	8021B	44735
880-23972-33	C108	Total/NA	Solid	8021B	44735
880-23972-34	SW34	Total/NA	Solid	8021B	44735
MB 880-44735/5-A	Method Blank	Total/NA	Solid	8021B	44735
LCS 880-44735/1-A	Lab Control Sample	Total/NA	Solid	8021B	44735
LCSD 880-44735/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44735
880-23972-21 MS	C105	Total/NA	Solid	8021B	44735
880-23972-21 MSD	C105	Total/NA	Solid	8021B	44735

Analysis Batch: 45043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-1	C188	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 45043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-2	C189	Total/NA	Solid	Total BTEX	
880-23972-3	C190	Total/NA	Solid	Total BTEX	
880-23972-4	C191	Total/NA	Solid	Total BTEX	
880-23972-5	C192	Total/NA	Solid	Total BTEX	
880-23972-6	C155	Total/NA	Solid	Total BTEX	
880-23972-7	S-28 3'	Total/NA	Solid	Total BTEX	
880-23972-8	S-28 5'	Total/NA	Solid	Total BTEX	
880-23972-9	S-28 10'	Total/NA	Solid	Total BTEX	
880-23972-10	C196	Total/NA	Solid	Total BTEX	
880-23972-11	C179	Total/NA	Solid	Total BTEX	
880-23972-12	C180	Total/NA	Solid	Total BTEX	
880-23972-13	C154	Total/NA	Solid	Total BTEX	
880-23972-14	C147	Total/NA	Solid	Total BTEX	
880-23972-17	SW16	Total/NA	Solid	Total BTEX	
880-23972-18	SW30	Total/NA	Solid	Total BTEX	
880-23972-19	SW3	Total/NA	Solid	Total BTEX	
880-23972-20	SW2	Total/NA	Solid	Total BTEX	
880-23972-21	C105	Total/NA	Solid	Total BTEX	
880-23972-22	C112	Total/NA	Solid	Total BTEX	
880-23972-23	C104	Total/NA	Solid	Total BTEX	
880-23972-24	C111	Total/NA	Solid	Total BTEX	
880-23972-25	C103	Total/NA	Solid	Total BTEX	
880-23972-26	C102	Total/NA	Solid	Total BTEX	
880-23972-27	C110	Total/NA	Solid	Total BTEX	
880-23972-28	C109	Total/NA	Solid	Total BTEX	
880-23972-29	C100	Total/NA	Solid	Total BTEX	
880-23972-30	C101	Total/NA	Solid	Total BTEX	
880-23972-31	C106	Total/NA	Solid	Total BTEX	
880-23972-32	C107	Total/NA	Solid	Total BTEX	
880-23972-33	C108	Total/NA	Solid	Total BTEX	
880-23972-34	SW34	Total/NA	Solid	Total BTEX	
880-23972-35	SW34A	Total/NA	Solid	Total BTEX	
880-23972-36	SW31	Total/NA	Solid	Total BTEX	
880-23972-37	SW31A	Total/NA	Solid	Total BTEX	

Analysis Batch: 45231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-35	SW34A	Total/NA	Solid	8021B	45260
880-23972-36	SW31	Total/NA	Solid	8021B	45260
880-23972-37	SW31A	Total/NA	Solid	8021B	45260
MB 880-45241/5-A	Method Blank	Total/NA	Solid	8021B	45241
MB 880-45260/5-A	Method Blank	Total/NA	Solid	8021B	45260
LCS 880-45260/1-A	Lab Control Sample	Total/NA	Solid	8021B	45260
LCSD 880-45260/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45260

Prep Batch: 45241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45241/5-A	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

GC VOA

Prep Batch: 45260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-35	SW34A	Total/NA	Solid	5035	
880-23972-36	SW31	Total/NA	Solid	5035	
880-23972-37	SW31A	Total/NA	Solid	5035	
MB 880-45260/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45260/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45260/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 45089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-1	C188	Total/NA	Solid	8015NM Prep	
880-23972-2	C189	Total/NA	Solid	8015NM Prep	
880-23972-3	C190	Total/NA	Solid	8015NM Prep	
880-23972-4	C191	Total/NA	Solid	8015NM Prep	
880-23972-5	C192	Total/NA	Solid	8015NM Prep	
880-23972-6	C155	Total/NA	Solid	8015NM Prep	
880-23972-7	S-28 3'	Total/NA	Solid	8015NM Prep	
880-23972-8	S-28 5'	Total/NA	Solid	8015NM Prep	
880-23972-9	S-28 10'	Total/NA	Solid	8015NM Prep	
880-23972-10	C196	Total/NA	Solid	8015NM Prep	
880-23972-11	C179	Total/NA	Solid	8015NM Prep	
880-23972-12	C180	Total/NA	Solid	8015NM Prep	
880-23972-13	C154	Total/NA	Solid	8015NM Prep	
MB 880-45089/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45089/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45089/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23972-1 MS	C188	Total/NA	Solid	8015NM Prep	
880-23972-1 MSD	C188	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-14	C147	Total/NA	Solid	8015B NM	45125
MB 880-45125/1-A	Method Blank	Total/NA	Solid	8015B NM	45125
LCS 880-45125/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45125
LCSD 880-45125/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45125
880-23972-14 MS	C147	Total/NA	Solid	8015B NM	45125
880-23972-14 MSD	C147	Total/NA	Solid	8015B NM	45125

Analysis Batch: 45103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-17	SW16	Total/NA	Solid	8015B NM	45126
880-23972-18	SW30	Total/NA	Solid	8015B NM	45126
MB 880-45126/1-A	Method Blank	Total/NA	Solid	8015B NM	45126
LCS 880-45126/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45126
LCSD 880-45126/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45126

Prep Batch: 45125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-14	C147	Total/NA	Solid	8015NM Prep	
MB 880-45125/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Prep Batch: 45125 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-45125/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45125/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23972-14 MS	C147	Total/NA	Solid	8015NM Prep	
880-23972-14 MSD	C147	Total/NA	Solid	8015NM Prep	

Prep Batch: 45126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-17	SW16	Total/NA	Solid	8015NM Prep	
880-23972-18	SW30	Total/NA	Solid	8015NM Prep	
MB 880-45126/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45126/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45126/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-1	C188	Total/NA	Solid	8015B NM	45089
880-23972-2	C189	Total/NA	Solid	8015B NM	45089
880-23972-3	C190	Total/NA	Solid	8015B NM	45089
880-23972-4	C191	Total/NA	Solid	8015B NM	45089
880-23972-5	C192	Total/NA	Solid	8015B NM	45089
880-23972-6	C155	Total/NA	Solid	8015B NM	45089
880-23972-7	S-28 3'	Total/NA	Solid	8015B NM	45089
880-23972-8	S-28 5'	Total/NA	Solid	8015B NM	45089
880-23972-9	S-28 10'	Total/NA	Solid	8015B NM	45089
880-23972-10	C196	Total/NA	Solid	8015B NM	45089
880-23972-11	C179	Total/NA	Solid	8015B NM	45089
880-23972-12	C180	Total/NA	Solid	8015B NM	45089
880-23972-13	C154	Total/NA	Solid	8015B NM	45089
MB 880-45089/1-A	Method Blank	Total/NA	Solid	8015B NM	45089
LCS 880-45089/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45089
LCSD 880-45089/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45089
880-23972-1 MS	C188	Total/NA	Solid	8015B NM	45089
880-23972-1 MSD	C188	Total/NA	Solid	8015B NM	45089

Analysis Batch: 45172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-1	C188	Total/NA	Solid	8015 NM	
880-23972-2	C189	Total/NA	Solid	8015 NM	
880-23972-3	C190	Total/NA	Solid	8015 NM	
880-23972-4	C191	Total/NA	Solid	8015 NM	
880-23972-5	C192	Total/NA	Solid	8015 NM	
880-23972-6	C155	Total/NA	Solid	8015 NM	
880-23972-7	S-28 3'	Total/NA	Solid	8015 NM	
880-23972-8	S-28 5'	Total/NA	Solid	8015 NM	
880-23972-9	S-28 10'	Total/NA	Solid	8015 NM	
880-23972-10	C196	Total/NA	Solid	8015 NM	
880-23972-11	C179	Total/NA	Solid	8015 NM	
880-23972-12	C180	Total/NA	Solid	8015 NM	
880-23972-13	C154	Total/NA	Solid	8015 NM	
880-23972-14	C147	Total/NA	Solid	8015 NM	
880-23972-17	SW16	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Analysis Batch: 45172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-18	SW30	Total/NA	Solid	8015 NM	
880-23972-19	SW3	Total/NA	Solid	8015 NM	
880-23972-20	SW2	Total/NA	Solid	8015 NM	
880-23972-21	C105	Total/NA	Solid	8015 NM	
880-23972-22	C112	Total/NA	Solid	8015 NM	
880-23972-23	C104	Total/NA	Solid	8015 NM	
880-23972-24	C111	Total/NA	Solid	8015 NM	
880-23972-25	C103	Total/NA	Solid	8015 NM	
880-23972-26	C102	Total/NA	Solid	8015 NM	
880-23972-27	C110	Total/NA	Solid	8015 NM	
880-23972-28	C109	Total/NA	Solid	8015 NM	
880-23972-29	C100	Total/NA	Solid	8015 NM	
880-23972-30	C101	Total/NA	Solid	8015 NM	
880-23972-31	C106	Total/NA	Solid	8015 NM	
880-23972-32	C107	Total/NA	Solid	8015 NM	
880-23972-33	C108	Total/NA	Solid	8015 NM	
880-23972-34	SW34	Total/NA	Solid	8015 NM	
880-23972-35	SW34A	Total/NA	Solid	8015 NM	
880-23972-36	SW31	Total/NA	Solid	8015 NM	
880-23972-37	SW31A	Total/NA	Solid	8015 NM	

Prep Batch: 45210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-19	SW3	Total/NA	Solid	8015NM Prep	
880-23972-20	SW2	Total/NA	Solid	8015NM Prep	
MB 880-45210/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45210/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45210/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 45211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-21	C105	Total/NA	Solid	8015NM Prep	
880-23972-22	C112	Total/NA	Solid	8015NM Prep	
880-23972-23	C104	Total/NA	Solid	8015NM Prep	
880-23972-24	C111	Total/NA	Solid	8015NM Prep	
880-23972-25	C103	Total/NA	Solid	8015NM Prep	
880-23972-26	C102	Total/NA	Solid	8015NM Prep	
880-23972-27	C110	Total/NA	Solid	8015NM Prep	
880-23972-28	C109	Total/NA	Solid	8015NM Prep	
880-23972-29	C100	Total/NA	Solid	8015NM Prep	
880-23972-30	C101	Total/NA	Solid	8015NM Prep	
880-23972-31	C106	Total/NA	Solid	8015NM Prep	
880-23972-32	C107	Total/NA	Solid	8015NM Prep	
880-23972-33	C108	Total/NA	Solid	8015NM Prep	
MB 880-45211/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45211/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45211/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23972-21 MS	C105	Total/NA	Solid	8015NM Prep	
880-23972-21 MSD	C105	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

GC Semi VOA

Analysis Batch: 45226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-21	C105	Total/NA	Solid	8015B NM	45211
880-23972-22	C112	Total/NA	Solid	8015B NM	45211
880-23972-23	C104	Total/NA	Solid	8015B NM	45211
880-23972-24	C111	Total/NA	Solid	8015B NM	45211
880-23972-25	C103	Total/NA	Solid	8015B NM	45211
880-23972-26	C102	Total/NA	Solid	8015B NM	45211
880-23972-27	C110	Total/NA	Solid	8015B NM	45211
880-23972-28	C109	Total/NA	Solid	8015B NM	45211
880-23972-29	C100	Total/NA	Solid	8015B NM	45211
880-23972-30	C101	Total/NA	Solid	8015B NM	45211
880-23972-31	C106	Total/NA	Solid	8015B NM	45211
880-23972-32	C107	Total/NA	Solid	8015B NM	45211
880-23972-33	C108	Total/NA	Solid	8015B NM	45211
MB 880-45211/1-A	Method Blank	Total/NA	Solid	8015B NM	45211
LCS 880-45211/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45211
LCSD 880-45211/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45211
880-23972-21 MS	C105	Total/NA	Solid	8015B NM	45211
880-23972-21 MSD	C105	Total/NA	Solid	8015B NM	45211

Prep Batch: 45267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-34	SW34	Total/NA	Solid	8015NM Prep	
880-23972-35	SW34A	Total/NA	Solid	8015NM Prep	
880-23972-36	SW31	Total/NA	Solid	8015NM Prep	
880-23972-37	SW31A	Total/NA	Solid	8015NM Prep	
MB 880-45267/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45267/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45267/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-19	SW3	Total/NA	Solid	8015B NM	45210
880-23972-20	SW2	Total/NA	Solid	8015B NM	45210
MB 880-45210/1-A	Method Blank	Total/NA	Solid	8015B NM	45210
LCS 880-45210/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45210
LCSD 880-45210/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45210

Analysis Batch: 45445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-34	SW34	Total/NA	Solid	8015B NM	45267
880-23972-35	SW34A	Total/NA	Solid	8015B NM	45267
880-23972-36	SW31	Total/NA	Solid	8015B NM	45267
880-23972-37	SW31A	Total/NA	Solid	8015B NM	45267
MB 880-45267/1-A	Method Blank	Total/NA	Solid	8015B NM	45267
LCS 880-45267/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45267
LCSD 880-45267/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45267

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

HPLC/IC

Leach Batch: 44785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-21	C105	Soluble	Solid	DI Leach	
880-23972-22	C112	Soluble	Solid	DI Leach	
880-23972-23	C104	Soluble	Solid	DI Leach	
880-23972-24	C111	Soluble	Solid	DI Leach	
880-23972-25	C103	Soluble	Solid	DI Leach	
880-23972-26	C102	Soluble	Solid	DI Leach	
880-23972-27	C110	Soluble	Solid	DI Leach	
880-23972-28	C109	Soluble	Solid	DI Leach	
880-23972-29	C100	Soluble	Solid	DI Leach	
880-23972-30	C101	Soluble	Solid	DI Leach	
880-23972-31	C106	Soluble	Solid	DI Leach	
880-23972-32	C107	Soluble	Solid	DI Leach	
880-23972-33	C108	Soluble	Solid	DI Leach	
880-23972-34	SW34	Soluble	Solid	DI Leach	
880-23972-35	SW34A	Soluble	Solid	DI Leach	
880-23972-36	SW31	Soluble	Solid	DI Leach	
880-23972-37	SW31A	Soluble	Solid	DI Leach	
MB 880-44785/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44785/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44785/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23972-21 MS	C105	Soluble	Solid	DI Leach	
880-23972-21 MSD	C105	Soluble	Solid	DI Leach	
880-23972-31 MS	C106	Soluble	Solid	DI Leach	
880-23972-31 MSD	C106	Soluble	Solid	DI Leach	

Leach Batch: 44786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-1	C188	Soluble	Solid	DI Leach	
880-23972-2	C189	Soluble	Solid	DI Leach	
880-23972-3	C190	Soluble	Solid	DI Leach	
880-23972-4	C191	Soluble	Solid	DI Leach	
880-23972-5	C192	Soluble	Solid	DI Leach	
880-23972-6	C155	Soluble	Solid	DI Leach	
880-23972-7	S-28 3'	Soluble	Solid	DI Leach	
880-23972-8	S-28 5'	Soluble	Solid	DI Leach	
880-23972-9	S-28 10'	Soluble	Solid	DI Leach	
880-23972-10	C196	Soluble	Solid	DI Leach	
880-23972-11	C179	Soluble	Solid	DI Leach	
880-23972-12	C180	Soluble	Solid	DI Leach	
880-23972-13	C154	Soluble	Solid	DI Leach	
880-23972-14	C147	Soluble	Solid	DI Leach	
MB 880-44786/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44786/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44786/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23972-5 MS	C192	Soluble	Solid	DI Leach	
880-23972-5 MSD	C192	Soluble	Solid	DI Leach	

Leach Batch: 44788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-17	SW16	Soluble	Solid	DI Leach	
880-23972-18	SW30	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

HPLC/IC (Continued)

Leach Batch: 44788 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-19	SW3	Soluble	Solid	DI Leach	
880-23972-20	SW2	Soluble	Solid	DI Leach	
MB 880-44788/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44788/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23972-A-15-C MS	880-23972-A-15-C MS	Soluble	Solid	DI Leach	
880-23972-A-15-D MSD	880-23972-A-15-D MSD	Soluble	Solid	DI Leach	

Analysis Batch: 45010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-21	C105	Soluble	Solid	300.0	44785
880-23972-22	C112	Soluble	Solid	300.0	44785
880-23972-23	C104	Soluble	Solid	300.0	44785
880-23972-24	C111	Soluble	Solid	300.0	44785
880-23972-25	C103	Soluble	Solid	300.0	44785
880-23972-26	C102	Soluble	Solid	300.0	44785
880-23972-27	C110	Soluble	Solid	300.0	44785
880-23972-28	C109	Soluble	Solid	300.0	44785
880-23972-29	C100	Soluble	Solid	300.0	44785
880-23972-30	C101	Soluble	Solid	300.0	44785
880-23972-31	C106	Soluble	Solid	300.0	44785
880-23972-32	C107	Soluble	Solid	300.0	44785
880-23972-33	C108	Soluble	Solid	300.0	44785
880-23972-34	SW34	Soluble	Solid	300.0	44785
880-23972-35	SW34A	Soluble	Solid	300.0	44785
880-23972-36	SW31	Soluble	Solid	300.0	44785
880-23972-37	SW31A	Soluble	Solid	300.0	44785
MB 880-44785/1-A	Method Blank	Soluble	Solid	300.0	44785
LCS 880-44785/2-A	Lab Control Sample	Soluble	Solid	300.0	44785
LCSD 880-44785/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44785
880-23972-21 MS	C105	Soluble	Solid	300.0	44785
880-23972-21 MSD	C105	Soluble	Solid	300.0	44785
880-23972-31 MS	C106	Soluble	Solid	300.0	44785
880-23972-31 MSD	C106	Soluble	Solid	300.0	44785

Analysis Batch: 45019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-1	C188	Soluble	Solid	300.0	44786
880-23972-2	C189	Soluble	Solid	300.0	44786
880-23972-3	C190	Soluble	Solid	300.0	44786
880-23972-4	C191	Soluble	Solid	300.0	44786
880-23972-5	C192	Soluble	Solid	300.0	44786
880-23972-6	C155	Soluble	Solid	300.0	44786
880-23972-7	S-28 3'	Soluble	Solid	300.0	44786
880-23972-8	S-28 5'	Soluble	Solid	300.0	44786
880-23972-9	S-28 10'	Soluble	Solid	300.0	44786
880-23972-10	C196	Soluble	Solid	300.0	44786
880-23972-11	C179	Soluble	Solid	300.0	44786
880-23972-12	C180	Soluble	Solid	300.0	44786
880-23972-13	C154	Soluble	Solid	300.0	44786
880-23972-14	C147	Soluble	Solid	300.0	44786

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

HPLC/IC (Continued)

Analysis Batch: 45019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-44786/1-A	Method Blank	Soluble	Solid	300.0	44786
LCS 880-44786/2-A	Lab Control Sample	Soluble	Solid	300.0	44786
LCSD 880-44786/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44786
880-23972-5 MS	C192	Soluble	Solid	300.0	44786
880-23972-5 MSD	C192	Soluble	Solid	300.0	44786

Analysis Batch: 45028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23972-17	SW16	Soluble	Solid	300.0	44788
880-23972-18	SW30	Soluble	Solid	300.0	44788
880-23972-19	SW3	Soluble	Solid	300.0	44788
880-23972-20	SW2	Soluble	Solid	300.0	44788
MB 880-44788/1-A	Method Blank	Soluble	Solid	300.0	44788
LCS 880-44788/2-A	Lab Control Sample	Soluble	Solid	300.0	44788
LCSD 880-44788/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44788
880-23972-A-15-C MS	880-23972-A-15-C MS	Soluble	Solid	300.0	44788
880-23972-A-15-D MSD	880-23972-A-15-D MSD	Soluble	Solid	300.0	44788

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C188

Lab Sample ID: 880-23972-1

Date Collected: 01/16/23 08:45

Matrix: Solid

Date Received: 01/23/23 08:16

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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/27/23 22:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 11:30	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 22:16	CH	EET MID

Client Sample ID: C189

Lab Sample ID: 880-23972-2

Date Collected: 01/16/23 08:46

Matrix: Solid

Date Received: 01/23/23 08:16

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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/27/23 23:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 12:35	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 22:21	CH	EET MID

Client Sample ID: C190

Lab Sample ID: 880-23972-3

Date Collected: 01/16/23 08:47

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/27/23 23:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 12:56	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 22:26	CH	EET MID

Client Sample ID: C191

Lab Sample ID: 880-23972-4

Date Collected: 01/16/23 08:48

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/27/23 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C191

Lab Sample ID: 880-23972-4

Date Collected: 01/16/23 08:48

Matrix: Solid

Date Received: 01/23/23 08:16

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			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 13:17	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 22:31	CH	EET MID

Client Sample ID: C192

Lab Sample ID: 880-23972-5

Date Collected: 01/16/23 08:49

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 13:39	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 22:36	CH	EET MID

Client Sample ID: C155

Lab Sample ID: 880-23972-6

Date Collected: 01/16/23 08:50

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 00:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 14:01	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 22:50	CH	EET MID

Client Sample ID: S-28 3'

Lab Sample ID: 880-23972-7

Date Collected: 01/16/23 08:51

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 00:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 14:22	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: S-28 3'

Lab Sample ID: 880-23972-7

Date Collected: 01/16/23 08:51

Matrix: Solid

Date Received: 01/23/23 08:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 22:55	CH	EET MID

Client Sample ID: S-28 5'

Lab Sample ID: 880-23972-8

Date Collected: 01/16/23 08:52

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 01:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 14:44	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 23:09	CH	EET MID

Client Sample ID: S-28 10'

Lab Sample ID: 880-23972-9

Date Collected: 01/16/23 11:30

Matrix: Solid

Date Received: 01/23/23 08:16

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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 15:05	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 23:14	CH	EET MID

Client Sample ID: C196

Lab Sample ID: 880-23972-10

Date Collected: 01/16/23 13:30

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 01:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 15:27	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 23:19	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C179

Lab Sample ID: 880-23972-11

Date Collected: 01/16/23 13:40

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 16:35	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 23:24	CH	EET MID

Client Sample ID: C180

Lab Sample ID: 880-23972-12

Date Collected: 01/16/23 13:41

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 03:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 16:55	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 23:28	CH	EET MID

Client Sample ID: C154

Lab Sample ID: 880-23972-13

Date Collected: 01/16/23 15:15

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 04:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/02/23 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45089	01/30/23 16:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45165	02/01/23 17:15	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 23:33	CH	EET MID

Client Sample ID: C147

Lab Sample ID: 880-23972-14

Date Collected: 01/16/23 15:16

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 04:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C147

Lab Sample ID: 880-23972-14

Date Collected: 01/16/23 15:16

Matrix: Solid

Date Received: 01/23/23 08:16

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			45172	02/01/23 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	45125	01/30/23 13:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45101	01/31/23 21:02	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44786	01/26/23 08:20	CH	EET MID
Soluble	Analysis	300.0		1			45019	01/29/23 23:38	CH	EET MID

Client Sample ID: SW16

Lab Sample ID: 880-23972-17

Date Collected: 01/17/23 11:32

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 05:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/01/23 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45126	01/31/23 13:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45103	02/01/23 01:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44788	01/26/23 08:26	CH	EET MID
Soluble	Analysis	300.0		5			45028	01/30/23 03:24	CH	EET MID

Client Sample ID: SW30

Lab Sample ID: 880-23972-18

Date Collected: 01/17/23 11:33

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 05:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/01/23 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45126	01/31/23 13:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45103	02/01/23 01:51	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44788	01/26/23 08:26	CH	EET MID
Soluble	Analysis	300.0		1			45028	01/30/23 03:29	CH	EET MID

Client Sample ID: SW3

Lab Sample ID: 880-23972-19

Date Collected: 01/18/23 08:00

Matrix: Solid

Date Received: 01/23/23 08:16

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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 06:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 17:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45210	02/01/23 13:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45299	02/03/23 12:45	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: SW3

Lab Sample ID: 880-23972-19

Date Collected: 01/18/23 08:00

Matrix: Solid

Date Received: 01/23/23 08:16

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	44788	01/26/23 08:26	CH	EET MID
Soluble	Analysis	300.0		1			45028	01/30/23 03:34	CH	EET MID

Client Sample ID: SW2

Lab Sample ID: 880-23972-20

Date Collected: 01/18/23 08:01

Matrix: Solid

Date Received: 01/23/23 08:16

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	44734	01/25/23 14:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44881	01/28/23 06:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/30/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 17:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45210	02/01/23 13:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45299	02/03/23 13:06	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44788	01/26/23 08:26	CH	EET MID
Soluble	Analysis	300.0		1			45028	01/30/23 03:48	CH	EET MID

Client Sample ID: C105

Lab Sample ID: 880-23972-21

Date Collected: 01/19/23 09:30

Matrix: Solid

Date Received: 01/23/23 08:16

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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 21:22	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 18:40	CH	EET MID

Client Sample ID: C112

Lab Sample ID: 880-23972-22

Date Collected: 01/19/23 09:31

Matrix: Solid

Date Received: 01/23/23 08:16

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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 22:26	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 18:54	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C104

Lab Sample ID: 880-23972-23

Date Collected: 01/19/23 09:32

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 22:47	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 18:59	CH	EET MID

Client Sample ID: C111

Lab Sample ID: 880-23972-24

Date Collected: 01/19/23 09:33

Matrix: Solid

Date Received: 01/23/23 08:16

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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 23:08	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 19:04	CH	EET MID

Client Sample ID: C103

Lab Sample ID: 880-23972-25

Date Collected: 01/19/23 09:34

Matrix: Solid

Date Received: 01/23/23 08:16

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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 14:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 23:29	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		5			45010	01/29/23 19:09	CH	EET MID

Client Sample ID: C102

Lab Sample ID: 880-23972-26

Date Collected: 01/19/23 10:00

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 15:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C102

Lab Sample ID: 880-23972-26

Date Collected: 01/19/23 10:00

Matrix: Solid

Date Received: 01/23/23 08:16

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			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 23:50	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		5			45010	01/29/23 19:23	CH	EET MID

Client Sample ID: C110

Lab Sample ID: 880-23972-27

Date Collected: 01/19/23 10:30

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 15:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/03/23 00:12	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		5			45010	01/29/23 19:28	CH	EET MID

Client Sample ID: C109

Lab Sample ID: 880-23972-28

Date Collected: 01/19/23 10:31

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/03/23 00:33	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 19:33	CH	EET MID

Client Sample ID: C100

Lab Sample ID: 880-23972-29

Date Collected: 01/19/23 13:00

Matrix: Solid

Date Received: 01/23/23 08:16

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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/03/23 00:55	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C100**Lab Sample ID: 880-23972-29****Date Collected: 01/19/23 13:00****Matrix: Solid****Date Received: 01/23/23 08:16**

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	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 19:38	CH	EET MID

Client Sample ID: C101**Lab Sample ID: 880-23972-30****Date Collected: 01/19/23 13:01****Matrix: Solid****Date Received: 01/23/23 08:16**

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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/03/23 01:16	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		5			45010	01/29/23 19:42	CH	EET MID

Client Sample ID: C106**Lab Sample ID: 880-23972-31****Date Collected: 01/19/23 13:02****Matrix: Solid****Date Received: 01/23/23 08:16**

Prep 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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/03/23 02:00	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 19:47	CH	EET MID

Client Sample ID: C107**Lab Sample ID: 880-23972-32****Date Collected: 01/19/23 13:03****Matrix: Solid****Date Received: 01/23/23 08:16**

Prep 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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/03/23 02:21	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 20:02	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: C108

Lab Sample ID: 880-23972-33

Date Collected: 01/19/23 13:04

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 19:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/03/23 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45211	02/01/23 13:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/03/23 02:43	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 20:06	CH	EET MID

Client Sample ID: SW34

Lab Sample ID: 880-23972-34

Date Collected: 01/20/23 09:00

Matrix: Solid

Date Received: 01/23/23 08:16

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	44735	01/25/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44984	01/30/23 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45043	01/31/23 13:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/05/23 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45267	02/02/23 13:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45445	02/04/23 18:27	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 20:21	CH	EET MID

Client Sample ID: SW34A

Lab Sample ID: 880-23972-35

Date Collected: 01/20/23 09:15

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	45260	02/02/23 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45231	02/02/23 23:23	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45043	02/03/23 09:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/05/23 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45267	02/02/23 13:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45445	02/04/23 18:48	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/29/23 20:26	CH	EET MID

Client Sample ID: SW31

Lab Sample ID: 880-23972-36

Date Collected: 01/20/23 09:30

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	45260	02/02/23 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45231	02/02/23 23:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45043	02/03/23 09:11	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Client Sample ID: SW31

Lab Sample ID: 880-23972-36

Date Collected: 01/20/23 09:30

Matrix: Solid

Date Received: 01/23/23 08:16

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			45172	02/05/23 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45267	02/02/23 13:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45445	02/04/23 19:10	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		1			45010	01/30/23 14:28	CH	EET MID

Client Sample ID: SW31A

Lab Sample ID: 880-23972-37

Date Collected: 01/20/23 09:45

Matrix: Solid

Date Received: 01/23/23 08:16

Prep 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	45260	02/02/23 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45231	02/03/23 00:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45043	02/03/23 09:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			45172	02/05/23 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45267	02/02/23 13:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45445	02/04/23 19:31	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44785	01/26/23 08:18	CH	EET MID
Soluble	Analysis	300.0		5			45010	01/29/23 20:35	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: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

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

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23972-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23972-1	C188	Solid	01/16/23 08:45	01/23/23 08:16
880-23972-2	C189	Solid	01/16/23 08:46	01/23/23 08:16
880-23972-3	C190	Solid	01/16/23 08:47	01/23/23 08:16
880-23972-4	C191	Solid	01/16/23 08:48	01/23/23 08:16
880-23972-5	C192	Solid	01/16/23 08:49	01/23/23 08:16
880-23972-6	C155	Solid	01/16/23 08:50	01/23/23 08:16
880-23972-7	S-28 3'	Solid	01/16/23 08:51	01/23/23 08:16
880-23972-8	S-28 5'	Solid	01/16/23 08:52	01/23/23 08:16
880-23972-9	S-28 10'	Solid	01/16/23 11:30	01/23/23 08:16
880-23972-10	C196	Solid	01/16/23 13:30	01/23/23 08:16
880-23972-11	C179	Solid	01/16/23 13:40	01/23/23 08:16
880-23972-12	C180	Solid	01/16/23 13:41	01/23/23 08:16
880-23972-13	C154	Solid	01/16/23 15:15	01/23/23 08:16
880-23972-14	C147	Solid	01/16/23 15:16	01/23/23 08:16
880-23972-17	SW16	Solid	01/17/23 11:32	01/23/23 08:16
880-23972-18	SW30	Solid	01/17/23 11:33	01/23/23 08:16
880-23972-19	SW3	Solid	01/18/23 08:00	01/23/23 08:16
880-23972-20	SW2	Solid	01/18/23 08:01	01/23/23 08:16
880-23972-21	C105	Solid	01/19/23 09:30	01/23/23 08:16
880-23972-22	C112	Solid	01/19/23 09:31	01/23/23 08:16
880-23972-23	C104	Solid	01/19/23 09:32	01/23/23 08:16
880-23972-24	C111	Solid	01/19/23 09:33	01/23/23 08:16
880-23972-25	C103	Solid	01/19/23 09:34	01/23/23 08:16
880-23972-26	C102	Solid	01/19/23 10:00	01/23/23 08:16
880-23972-27	C110	Solid	01/19/23 10:30	01/23/23 08:16
880-23972-28	C109	Solid	01/19/23 10:31	01/23/23 08:16
880-23972-29	C100	Solid	01/19/23 13:00	01/23/23 08:16
880-23972-30	C101	Solid	01/19/23 13:01	01/23/23 08:16
880-23972-31	C106	Solid	01/19/23 13:02	01/23/23 08:16
880-23972-32	C107	Solid	01/19/23 13:03	01/23/23 08:16
880-23972-33	C108	Solid	01/19/23 13:04	01/23/23 08:16
880-23972-34	SW34	Solid	01/20/23 09:00	01/23/23 08:16
880-23972-35	SW34A	Solid	01/20/23 09:15	01/23/23 08:16
880-23972-36	SW31	Solid	01/20/23 09:30	01/23/23 08:16
880-23972-37	SW31A	Solid	01/20/23 09:45	01/23/23 08:16

[illegible]

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

Data Reported to

DATE 1/23/23 PAGE 2 OF 3
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Hayhurst Land 2
LAI PROJECT # 22-0167-01 COLLECTOR: JH

CHAIN-OF-CUSTODY

No. 2914

TRRP report? ☐ Yes ☒ No
TIME ZONE _____
Time zone/State _____
S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample ID	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES		FIELD NOTES	
C227		1-17-23	1131	S	1						☒	BTXES ☐ MTBE ☐ TPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐		
SW16			1132								☒	GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8082 PCBS ☐ TCLP - METALS (ROR) ☐ TCLP - METALS (RCRA) ☐ TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ TOTAL METALS (RCRA) ☐ LEAD - TOTAL ☐ D W 200 ☐ TCLP ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ pH ☐ HEXAVALENT CHROMIUM ☐ CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐		
SW30		1-17-23	1133								☒			
SW3		1-18-23	800								☒			
SW2		1-18-23	801								☒			
C105		1-19-23	930								☒			
C112			931								☒			
C104			932								☒			
C111			933								☒			
C103			934								☒			
C102			1000								☒			
C110			1030								☒			
C109			1031								☒			
C100			1300								☒			
C101		1-19-23	1301	S	1						☒			
TOTAL	15													

RELINQUISHED BY (Signature) <u>David S. [Signature]</u>	DATE/TIME <u>1/23/2023 0816</u>	RECEIVED BY (Signature) <u>[Signature]</u>	TURN AROUND TIME NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐	LABORATORY USE ONLY RECEIVING TEMP <u>15.1</u> CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED CARRIER BILL # _____ HAND DELIVERED ☐
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)		
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)		
LABORATORY <u>Line 2</u>				

Varson & Associates, Inc.
Environmental Consultants

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

Data Reported to

DATE 1/23/2023 PAGE 3 OF 3
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Hayhurst Pond 2
LAI PROJECT # 22-0107-01 COLLECTOR JH

CHAIN-OF-CUSTODY

No. 2915³.

TRRP report?			S=SOIL W=WATER A=AIR			P=PAINT SL=SLUDGE OT=OTHER		
TIME ZONE Time zone/State			PRESERVATION			ANALYSES		
Field Sample ID			Lab #			Date		
Time			Matrix			# of Containers		
HCl			HNO ₃			H ₂ SO ₄ ☐ NaOH ☐		
ICE			UNPRESERVED			FIELD NOTES		
C106	1-19-23	1302	S	1	X	X	X	X
C107	1-19-23	1303	1					
C108	1-20-23	1304	1					
SW4	1-20-23	900	1					
SW4a	1-20-23	915	1					
SW2	1-20-23	930	1					
SW2a	1-20-23	945	S	1	X	X	X	X
TOTAL 7								
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 X time			DATE/TIME			RECEIVED BY (Signature)		
TURN AROUND TIME			LABORATORY USE ONLY:			RECEIVING TEMP		
NORMAL ☒			1 DAY ☐			CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED		
2 DAY ☐			CARRIER BILL #			HAND DELIVERED		
OTHER ☐								

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-23972-1

SDG Number: 22-0107-01

Login Number: 23972**List Number: 1****Creator: Teel, Brianna****List Source: Eurofins Midland**

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

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



Analytical Report

Prepared for:

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Location: New Mexico
Lab Order Number: 3C16003



Current Certification

Report Date: 03/24/23

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C260	3C16003-01	Soil	03/13/23 14:00	03-16-2023 09:00
C261	3C16003-02	Soil	03/13/23 14:05	03-16-2023 09:00
C262	3C16003-03	Soil	03/13/23 14:10	03-16-2023 09:00
C263	3C16003-04	Soil	03/13/23 14:15	03-16-2023 09:00
C264	3C16003-05	Soil	03/13/23 14:20	03-16-2023 09:00
C265	3C16003-06	Soil	03/13/23 14:25	03-16-2023 09:00
C266	3C16003-07	Soil	03/13/23 14:30	03-16-2023 09:00
C267	3C16003-08	Soil	03/13/23 14:35	03-16-2023 09:00
SW44	3C16003-09	Soil	03/13/23 14:40	03-16-2023 09:00
SW45	3C16003-10	Soil	03/13/23 14:45	03-16-2023 09:00

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

C260
3C16003-01 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00118	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 07:21	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 07:21	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 07:21	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 07:21	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 07:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P3C1709	03/17/23 15:52	03/18/23 07:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.8 %		80-120		P3C1709	03/17/23 15:52	03/18/23 07:21	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 20:20	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 20:20	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 20:20	TPH 8015M	
Surrogate: 1-Chlorooctane	98.4 %		70-130		P3C2015	03/20/23 15:00	03/23/23 20:20	TPH 8015M	
Surrogate: o-Terphenyl	115 %		70-130		P3C2015	03/20/23 15:00	03/23/23 20:20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 20:20	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	93.7	1.18	mg/kg dry	1	P3C1901	03/19/23 13:00	03/20/23 09:12	EPA 300.0	
% Moisture	15.0	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

C261
3C16003-02 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 07:42	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 07:42	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 07:42	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 07:42	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 07:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.2 %		80-120		P3C1709	03/17/23 15:52	03/18/23 07:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P3C1709	03/17/23 15:52	03/18/23 07:42	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 20:42	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 20:42	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 20:42	TPH 8015M	
Surrogate: 1-Chlorooctane	102 %		70-130		P3C2015	03/20/23 15:00	03/23/23 20:42	TPH 8015M	
Surrogate: o-Terphenyl	115 %		70-130		P3C2015	03/20/23 15:00	03/23/23 20:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 20:42	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	27.0	1.16	mg/kg dry	1	P3C1901	03/19/23 13:00	03/20/23 09:32	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

C262
3C16003-03 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:04	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:04	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:04	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:04	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.2 %		80-120		P3C1709	03/17/23 15:52	03/18/23 08:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	109 %		80-120		P3C1709	03/17/23 15:52	03/18/23 08:04	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 20:32	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 20:32	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 20:32	TPH 8015M	
Surrogate: 1-Chlorooctane	84.1 %		70-130		P3C2018	03/20/23 15:35	03/23/23 20:32	TPH 8015M	
Surrogate: o-Terphenyl	96.8 %		70-130		P3C2018	03/20/23 15:35	03/23/23 20:32	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	03/20/23 15:35	03/23/23 20:32	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	58.2	1.15	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 09:53	EPA 300.0	
% Moisture	13.0	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

C263
3C16003-04 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:25	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:25	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:25	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:25	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.9 %		80-120		P3C1709	03/17/23 15:52	03/18/23 08:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	109 %		80-120		P3C1709	03/17/23 15:52	03/18/23 08:25	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 20:57	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 20:57	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 20:57	TPH 8015M	
Surrogate: 1-Chlorooctane	83.4 %		70-130		P3C2018	03/20/23 15:35	03/23/23 20:57	TPH 8015M	
Surrogate: o-Terphenyl	89.3 %		70-130		P3C2018	03/20/23 15:35	03/23/23 20:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	03/20/23 15:35	03/23/23 20:57	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	17.2	1.15	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 10:13	EPA 300.0	
% Moisture	13.0	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

C264
3C16003-05 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:46	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:46	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:46	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:46	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 08:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.9 %		80-120		P3C1709	03/17/23 15:52	03/18/23 08:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	109 %		80-120		P3C1709	03/17/23 15:52	03/18/23 08:46	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 21:21	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 21:21	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 21:21	TPH 8015M	
Surrogate: 1-Chlorooctane	80.8 %		70-130		P3C2018	03/20/23 15:35	03/23/23 21:21	TPH 8015M	
Surrogate: o-Terphenyl	90.1 %		70-130		P3C2018	03/20/23 15:35	03/23/23 21:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/20/23 15:35	03/23/23 21:21	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	36.7	1.16	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 10:34	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

C265
3C16003-06 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 09:51	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 09:51	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 09:51	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 09:51	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 09:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.8 %		80-120		P3C1709	03/17/23 15:52	03/18/23 09:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P3C1709	03/17/23 15:52	03/18/23 09:51	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 21:46	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 21:46	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 21:46	TPH 8015M	
Surrogate: 1-Chlorooctane	81.3 %		70-130		P3C2018	03/20/23 15:35	03/23/23 21:46	TPH 8015M	
Surrogate: o-Terphenyl	84.9 %		70-130		P3C2018	03/20/23 15:35	03/23/23 21:46	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/20/23 15:35	03/23/23 21:46	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	47.5	1.16	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 10:54	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

C266
3C16003-07 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:12	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:12	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:12	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:12	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.9 %		80-120		P3C1709	03/17/23 15:52	03/18/23 10:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	109 %		80-120		P3C1709	03/17/23 15:52	03/18/23 10:12	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 22:12	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 22:12	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 22:12	TPH 8015M	
Surrogate: 1-Chlorooctane	71.3 %		70-130		P3C2018	03/20/23 15:35	03/23/23 22:12	TPH 8015M	
Surrogate: o-Terphenyl	56.5 %		70-130		P3C2018	03/20/23 15:35	03/23/23 22:12	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/20/23 15:35	03/23/23 22:12	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	47.3	1.14	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 11:15	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

C267
3C16003-08 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:33	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:33	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:33	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:33	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P3C1709	03/17/23 15:52	03/18/23 10:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.1 %		80-120		P3C1709	03/17/23 15:52	03/18/23 10:33	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 22:38	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 22:38	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 22:38	TPH 8015M	
Surrogate: 1-Chlorooctane	70.1 %		70-130		P3C2018	03/20/23 15:35	03/23/23 22:38	TPH 8015M	
Surrogate: o-Terphenyl	69.7 %		70-130		P3C2018	03/20/23 15:35	03/23/23 22:38	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	03/20/23 15:35	03/23/23 22:38	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	25.9	1.15	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 11:35	EPA 300.0	
% Moisture	13.0	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

SW44
3C16003-09 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00120	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:55	EPA 8021B	
Toluene	ND	0.00120	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:55	EPA 8021B	
Ethylbenzene	ND	0.00120	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:55	EPA 8021B	
Xylene (p/m)	ND	0.00241	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:55	EPA 8021B	
Xylene (o)	ND	0.00120	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 10:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %	80-120			P3C1709	03/17/23 15:52	03/18/23 10:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.2 %	80-120			P3C1709	03/17/23 15:52	03/18/23 10:55	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	30.1	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 23:04	TPH 8015M	
>C12-C28	ND	30.1	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 23:04	TPH 8015M	
>C28-C35	ND	30.1	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 23:04	TPH 8015M	
Surrogate: 1-Chlorooctane	83.2 %	70-130			P3C2018	03/20/23 15:35	03/23/23 23:04	TPH 8015M	
Surrogate: o-Terphenyl	99.2 %	70-130			P3C2018	03/20/23 15:35	03/23/23 23:04	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	30.1	mg/kg dry	1	[CALC]	03/20/23 15:35	03/23/23 23:04	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	129	1.20	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 11:56	EPA 300.0	
% Moisture	17.0	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

SW45
3C16003-10 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00118	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:16	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:16	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:16	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:16	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P3C1709	03/17/23 15:52	03/18/23 11:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.7 %		80-120		P3C1709	03/17/23 15:52	03/18/23 11:16	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 23:30	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 23:30	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P3C2018	03/20/23 15:35	03/23/23 23:30	TPH 8015M	
Surrogate: 1-Chlorooctane	71.1 %		70-130		P3C2018	03/20/23 15:35	03/23/23 23:30	TPH 8015M	
Surrogate: o-Terphenyl	84.1 %		70-130		P3C2018	03/20/23 15:35	03/23/23 23:30	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	03/20/23 15:35	03/23/23 23:30	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	277	1.18	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 12:16	EPA 300.0	
% Moisture	15.0	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1709 - * DEFAULT PREP *****

Blank (P3C1709-BLK1)

Prepared: 03/17/23 Analyzed: 03/18/23

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.9	80-120			

LCS (P3C1709-BS1)

Prepared: 03/17/23 Analyzed: 03/18/23

Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		91.8	80-120			
Xylene (o)	0.0990	0.00100	"	0.100		99.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	80-120			

LCS Dup (P3C1709-BSD1)

Prepared: 03/17/23 Analyzed: 03/18/23

Benzene	0.106	0.00100	mg/kg	0.100		106	80-120	2.03	20	
Toluene	0.102	0.00100	"	0.100		102	80-120	1.24	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	1.24	20	
Xylene (p/m)	0.181	0.00200	"	0.200		90.7	80-120	1.26	20	
Xylene (o)	0.0976	0.00100	"	0.100		97.6	80-120	1.43	20	
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	80-120			

Calibration Blank (P3C1709-CCB1)

Prepared: 03/17/23 Analyzed: 03/18/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1709 - * DEFAULT PREP *****

Calibration Blank (P3C1709-CCB2)

Prepared: 03/17/23 Analyzed: 03/18/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.4	80-120			

Calibration Check (P3C1709-CCV1)

Prepared: 03/17/23 Analyzed: 03/18/23

Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		90.9	80-120			
Xylene (o)	0.0999	0.00100	"	0.100		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	75-125			

Calibration Check (P3C1709-CCV2)

Prepared: 03/17/23 Analyzed: 03/18/23

Benzene	0.112	0.00100	mg/kg	0.100		112	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200		93.0	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	75-125			

Calibration Check (P3C1709-CCV3)

Prepared: 03/17/23 Analyzed: 03/18/23

Benzene	0.110	0.00100	mg/kg	0.100		110	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0971	0.00100	"	0.100		97.1	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.6	80-120			
Xylene (o)	0.0974	0.00100	"	0.100		97.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.9	75-125			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1709 - * DEFAULT PREP *****

Matrix Spike (P3C1709-MS1)		Source: 3C16002-10		Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.0836	0.00109	mg/kg dry	0.109	ND	76.9	80-120			QM-05
Toluene	0.0718	0.00109	"	0.109	ND	66.0	80-120			QM-05
Ethylbenzene	0.0684	0.00109	"	0.109	ND	62.9	80-120			QM-05
Xylene (p/m)	0.126	0.00217	"	0.217	ND	58.1	80-120			QM-05
Xylene (o)	0.0768	0.00109	"	0.109	ND	70.6	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.140		"	0.130		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.130		96.9	80-120			

Matrix Spike Dup (P3C1709-MSD1)		Source: 3C16002-10		Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.0862	0.00109	mg/kg dry	0.109	ND	79.3	80-120	3.07	20	QM-05
Toluene	0.0738	0.00109	"	0.109	ND	67.9	80-120	2.75	20	QM-05
Ethylbenzene	0.0706	0.00109	"	0.109	ND	64.9	80-120	3.14	20	QM-05
Xylene (p/m)	0.125	0.00217	"	0.217	ND	57.4	80-120	1.26	20	QM-05
Xylene (o)	0.0764	0.00109	"	0.109	ND	70.3	80-120	0.440	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.139		"	0.130		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.130		97.1	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C2015 - TX 1005

Blank (P3C2015-BLK1)

Prepared: 03/20/23 Analyzed: 03/23/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	61.7		"	50.0		123	70-130			

LCS (P3C2015-BS1)

Prepared: 03/20/23 Analyzed: 03/23/23

C6-C12	1080	25.0	mg/kg	1300		83.0	75-125			
>C12-C28	1200	25.0	"	1300		92.5	75-125			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	61.4		"	50.0		123	70-130			

LCS Dup (P3C2015-BSD1)

Prepared: 03/20/23 Analyzed: 03/23/23

C6-C12	1060	25.0	mg/kg	1300		81.7	75-125	1.54	20	
>C12-C28	1200	25.0	"	1300		92.3	75-125	0.235	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	59.6		"	50.0		119	70-130			

Calibration Check (P3C2015-CCV1)

Prepared: 03/20/23 Analyzed: 03/23/23

C6-C12	580	25.0	mg/kg	600		96.7	85-115			
>C12-C28	539	25.0	"	600		89.8	85-115			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	62.7		"	50.0		125	70-130			

Calibration Check (P3C2015-CCV2)

Prepared: 03/20/23 Analyzed: 03/23/23

C6-C12	544	25.0	mg/kg	600		90.7	85-115			
>C12-C28	565	25.0	"	600		94.1	85-115			
Surrogate: 1-Chlorooctane	128		"	100		128	70-130			
Surrogate: o-Terphenyl	62.2		"	50.0		124	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C2015 - TX 1005

Duplicate (P3C2015-DUP1)

Source: 3C15002-01

Prepared: 03/20/23 Analyzed: 03/23/23

C6-C12	61.9	25.8	mg/kg dry		60.3			2.65	20	
>C12-C28	363	25.8	"		380			4.67	20	
Surrogate: 1-Chlorooctane	109		"	103		106	70-130			
Surrogate: o-Terphenyl	64.3		"	51.5		125	70-130			

Batch P3C2018 - TX 1005

Blank (P3C2018-BLK1)

Prepared: 03/20/23 Analyzed: 03/23/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	84.4		"	100		84.4	70-130			
Surrogate: o-Terphenyl	49.8		"	50.0		99.5	70-130			

LCS (P3C2018-BS1)

Prepared: 03/20/23 Analyzed: 03/23/23

C6-C12	1010	25.0	mg/kg	1000		101	75-125			
>C12-C28	1090	25.0	"	1000		109	75-125			
Surrogate: 1-Chlorooctane	118		"	100		118	70-130			
Surrogate: o-Terphenyl	61.8		"	50.0		124	70-130			

LCS Dup (P3C2018-BSD1)

Prepared: 03/20/23 Analyzed: 03/23/23

C6-C12	1010	25.0	mg/kg	1000		101	75-125	0.805	20	
>C12-C28	1080	25.0	"	1000		108	75-125	0.369	20	
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	60.6		"	50.0		121	70-130			

Calibration Check (P3C2018-CCV1)

Prepared: 03/20/23 Analyzed: 03/23/23

C6-C12	540	25.0	mg/kg	500		108	85-115			
>C12-C28	480	25.0	"	500		95.9	85-115			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	50.7		"	50.0		101	70-130			

Permian Basin Environmental Lab, L.P.

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C2018 - TX 1005

Calibration Check (P3C2018-CCV2)

Prepared: 03/20/23 Analyzed: 03/24/23

C6-C12	536	25.0	mg/kg	500		107	85-115			
>C12-C28	472	25.0	"	500		94.4	85-115			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	48.9		"	50.0		97.7	70-130			

Calibration Check (P3C2018-CCV3)

Prepared: 03/20/23 Analyzed: 03/24/23

C6-C12	529	25.0	mg/kg	500		106	85-115			
>C12-C28	445	25.0	"	500		89.0	85-115			
Surrogate: 1-Chlorooctane	100		"	100		100	70-130			
Surrogate: o-Terphenyl	48.2		"	50.0		96.4	70-130			

Duplicate (P3C2018-DUP1)

Source: 3C16007-03

Prepared: 03/20/23 Analyzed: 03/24/23

C6-C12	7580	309	mg/kg dry		771			163	20	R3
>C12-C28	11400	309	"		1160			163	20	R3
Surrogate: 1-Chlorooctane	104		"	123		84.3	70-130			
Surrogate: o-Terphenyl	53.6		"	61.7		86.8	70-130			

Permian Basin Environmental Lab, L.P.

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1707 - * DEFAULT PREP *****

Blank (P3C1707-BLK1)		Prepared & Analyzed: 03/17/23								
% Moisture	ND	0.1	%							
Duplicate (P3C1707-DUP1)		Source: 3C16001-10		Prepared & Analyzed: 03/17/23						
% Moisture	15.0	0.1	%		12.0			22.2	20	R
Duplicate (P3C1707-DUP2)		Source: 3C16001-21		Prepared & Analyzed: 03/17/23						
% Moisture	11.0	0.1	%		14.0			24.0	20	R
Duplicate (P3C1707-DUP3)		Source: 3C16002-10		Prepared & Analyzed: 03/17/23						
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P3C1707-DUP4)		Source: 3C16003-06		Prepared & Analyzed: 03/17/23						
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P3C1707-DUP5)		Source: 3C16007-10		Prepared & Analyzed: 03/17/23						
% Moisture	13.0	0.1	%		13.0			0.00	20	

Batch P3C1901 - * DEFAULT PREP *****

Blank (P3C1901-BLK1)		Prepared & Analyzed: 03/19/23								
Chloride	ND	1.00	mg/kg							
LCS (P3C1901-BS1)		Prepared: 03/19/23 Analyzed: 03/20/23								
Chloride	18.6		mg/kg	20.0		93.2	90-110			
LCS Dup (P3C1901-BSD1)		Prepared: 03/19/23 Analyzed: 03/20/23								
Chloride	18.6		mg/kg	20.0		92.8	90-110	0.495	10	

Permian Basin Environmental Lab, L.P.

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1901 - *** DEFAULT PREP ***										
Calibration Check (P3C1901-CCV1)				Prepared: 03/19/23 Analyzed: 03/20/23						
Chloride	18.7		mg/kg	20.0		93.6	90-110			
Calibration Check (P3C1901-CCV2)				Prepared & Analyzed: 03/19/23						
Chloride	18.8		mg/kg	20.0		94.2	90-110			
Matrix Spike (P3C1901-MS1)				Source: 3C15001-29		Prepared & Analyzed: 03/19/23				
Chloride	318		mg/kg	100	234	84.5	80-120			
Matrix Spike (P3C1901-MS2)				Source: 3C16002-11		Prepared & Analyzed: 03/19/23				
Chloride	510		mg/kg	100	420	90.4	80-120			
Matrix Spike Dup (P3C1901-MSD1)				Source: 3C15001-29		Prepared & Analyzed: 03/19/23				
Chloride	355		mg/kg	100	234	121	80-120	10.9	20	QM-05
Matrix Spike Dup (P3C1901-MSD2)				Source: 3C16002-11		Prepared & Analyzed: 03/19/23				
Chloride	531		mg/kg	100	420	111	80-120	3.95	20	
Batch P3C1902 - *** DEFAULT PREP ***										
Blank (P3C1902-BLK1)				Prepared & Analyzed: 03/19/23						
Chloride	ND	1.00	mg/kg							
LCS (P3C1902-BS1)				Prepared & Analyzed: 03/19/23						
Chloride	18.2		mg/kg	20.0		91.2	90-110			
LCS Dup (P3C1902-BSD1)				Prepared & Analyzed: 03/19/23						
Chloride	18.3		mg/kg	20.0		91.7	90-110	0.536	10	

Permian Basin Environmental Lab, L.P.

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1902 - *** DEFAULT PREP ***										
Calibration Check (P3C1902-CCV1)				Prepared & Analyzed: 03/19/23						
Chloride	18.3		mg/kg	20.0		91.6	90-110			
Calibration Check (P3C1902-CCV2)				Prepared: 03/19/23 Analyzed: 03/20/23						
Chloride	18.4		mg/kg	20.0		92.2	90-110			
Calibration Check (P3C1902-CCV3)				Prepared: 03/19/23 Analyzed: 03/20/23						
Chloride	19.0		mg/kg	20.0		95.0	90-110			
Matrix Spike (P3C1902-MS2)				Source: 3C17001-04		Prepared: 03/19/23 Analyzed: 03/20/23				
Chloride	9.44		mg/kg	5.00	7.79	33.1	80-120			QM-05
Matrix Spike Dup (P3C1902-MSD2)				Source: 3C17001-04		Prepared: 03/19/23 Analyzed: 03/20/23				
Chloride	9.50		mg/kg	5.00	7.79	34.3	80-120	0.633	20	QM-05

Permian Basin Environmental Lab, L.P.

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

Notes and Definitions

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

ROI Received on Ice

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

R The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.

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

NPBEL C Chain of Custody was not generated at PBELAB

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

3/24/2023

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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

Larson & Associates, Inc.

Project: Hayhurst Pond 2

P.O. Box 50685

Project Number: 22-0107-01

Midland TX, 79710

Project Manager: Mark Larson

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Permian Basin Environmental Lab, L.P.

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

No 2018

CHAIN-OF-CUSTODY

[illegible]

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



Analytical Report

Prepared for:

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

Project: Breakwater Backfill

Project Number: 22-0107-01

Location: New Mexico

Lab Order Number: 3C28007



Current Certification

Report Date: 04/10/23

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BF-1	3C28007-01	Soil	03/27/23 12:40	03-28-2023 08:44
BF-2	3C28007-02	Soil	03/27/23 12:45	03-28-2023 08:44
BF-3	3C28007-03	Soil	03/27/23 12:50	03-28-2023 08:44
BF-4	3C28007-04	Soil	03/27/23 12:55	03-28-2023 08:44
BF-5	3C28007-05	Soil	03/27/23 13:00	03-28-2023 08:44
BF-6	3C28007-06	Soil	03/27/23 13:05	03-28-2023 08:44
BF-7	3C28007-07	Soil	03/27/23 13:10	03-28-2023 08:44
BF-8	3C28007-08	Soil	03/27/23 13:15	03-28-2023 08:44
BF-9	3C28007-09	Soil	03/27/23 13:20	03-28-2023 08:44
BF-10	3C28007-10	Soil	03/27/23 13:25	03-28-2023 08:44
BF-11	3C28007-11	Soil	03/27/23 13:30	03-28-2023 08:44
BF-12	3C28007-12	Soil	03/27/23 13:35	03-28-2023 08:44
BF-13	3C28007-13	Soil	03/27/23 13:40	03-28-2023 08:44
BF-14	3C28007-14	Soil	03/27/23 13:45	03-28-2023 08:44
BF-15	3C28007-15	Soil	03/27/23 13:50	03-28-2023 08:44

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-1
3C28007-01 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00120	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:02	EPA 8021B	
Toluene	ND	0.00120	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:02	EPA 8021B	
Ethylbenzene	ND	0.00120	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:02	EPA 8021B	
Xylene (p/m)	ND	0.00241	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:02	EPA 8021B	
Xylene (o)	ND	0.00120	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.8 %		80-120		P3C3104	03/31/23 09:39	04/01/23 17:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.5 %		80-120		P3C3104	03/31/23 09:39	04/01/23 17:02	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	30.1	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 18:52	TPH 8015M	
>C12-C28	ND	30.1	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 18:52	TPH 8015M	
>C28-C35	ND	30.1	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 18:52	TPH 8015M	
Surrogate: 1-Chlorooctane	99.5 %		70-130		P3C2917	03/29/23 15:37	03/31/23 18:52	TPH 8015M	
Surrogate: o-Terphenyl	120 %		70-130		P3C2917	03/29/23 15:37	03/31/23 18:52	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	30.1	mg/kg dry	1	[CALC]	03/29/23 15:37	03/31/23 18:52	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	55.2	1.20	mg/kg dry	1	P3D0503	04/05/23 14:45	04/07/23 14:45	EPA 300.0	
% Moisture	17.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-2
3C28007-02 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00128	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:23	EPA 8021B	
Toluene	ND	0.00128	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:23	EPA 8021B	
Ethylbenzene	ND	0.00128	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:23	EPA 8021B	
Xylene (p/m)	ND	0.00256	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:23	EPA 8021B	
Xylene (o)	ND	0.00128	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.0 %		80-120		P3C3104	03/31/23 09:39	04/01/23 17:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.2 %		80-120		P3C3104	03/31/23 09:39	04/01/23 17:23	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	32.1	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 19:14	TPH 8015M	
>C12-C28	ND	32.1	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 19:14	TPH 8015M	
>C28-C35	ND	32.1	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 19:14	TPH 8015M	
Surrogate: 1-Chlorooctane	101 %		70-130		P3C2917	03/29/23 15:37	03/31/23 19:14	TPH 8015M	
Surrogate: o-Terphenyl	126 %		70-130		P3C2917	03/29/23 15:37	03/31/23 19:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	32.1	mg/kg dry	1	[CALC]	03/29/23 15:37	03/31/23 19:14	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	36.1	1.28	mg/kg dry	1	P3D0503	04/05/23 14:45	04/07/23 14:59	EPA 300.0	
% Moisture	22.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-3
3C28007-03 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00135	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:44	EPA 8021B	
Toluene	ND	0.00135	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:44	EPA 8021B	
Ethylbenzene	ND	0.00135	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:44	EPA 8021B	
Xylene (p/m)	ND	0.00270	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:44	EPA 8021B	
Xylene (o)	ND	0.00135	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 17:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.8 %		80-120		P3C3104	03/31/23 09:39	04/01/23 17:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.6 %		80-120		P3C3104	03/31/23 09:39	04/01/23 17:44	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	33.8	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 19:36	TPH 8015M	
>C12-C28	ND	33.8	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 19:36	TPH 8015M	
>C28-C35	ND	33.8	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 19:36	TPH 8015M	
Surrogate: 1-Chlorooctane	102 %		70-130		P3C2917	03/29/23 15:37	03/31/23 19:36	TPH 8015M	
Surrogate: o-Terphenyl	121 %		70-130		P3C2917	03/29/23 15:37	03/31/23 19:36	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	33.8	mg/kg dry	1	[CALC]	03/29/23 15:37	03/31/23 19:36	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11.5	1.35	mg/kg dry	1	P3D0503	04/05/23 14:45	04/07/23 15:13	EPA 300.0	
% Moisture	26.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-4
3C28007-04 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:04	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.6 %		80-120		P3C3104	03/31/23 09:39	04/01/23 18:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.5 %		80-120		P3C3104	03/31/23 09:39	04/01/23 18:04	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 19:59	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 19:59	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 19:59	TPH 8015M	
Surrogate: 1-Chlorooctane	99.8 %		70-130		P3C2917	03/29/23 15:37	03/31/23 19:59	TPH 8015M	
Surrogate: o-Terphenyl	124 %		70-130		P3C2917	03/29/23 15:37	03/31/23 19:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/29/23 15:37	03/31/23 19:59	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.94	1.00	mg/kg dry	1	P3D0503	04/05/23 14:45	04/07/23 15:27	EPA 300.0	
% Moisture	ND	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-5
3C28007-05 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:25	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:25	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:25	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:25	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P3C3104	03/31/23 09:39	04/01/23 18:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.6 %		80-120		P3C3104	03/31/23 09:39	04/01/23 18:25	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 20:21	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 20:21	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 20:21	TPH 8015M	
Surrogate: 1-Chlorooctane	105 %		70-130		P3C2917	03/29/23 15:37	03/31/23 20:21	TPH 8015M	
Surrogate: o-Terphenyl	133 %		70-130		P3C2917	03/29/23 15:37	03/31/23 20:21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	03/29/23 15:37	03/31/23 20:21	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	22.7	1.10	mg/kg dry	1	P3D0503	04/05/23 14:45	04/07/23 15:42	EPA 300.0	
% Moisture	9.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-6
3C28007-06 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00130	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:45	EPA 8021B	
Toluene	ND	0.00130	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:45	EPA 8021B	
Ethylbenzene	ND	0.00130	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:45	EPA 8021B	
Xylene (p/m)	ND	0.00260	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:45	EPA 8021B	
Xylene (o)	ND	0.00130	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 18:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.1 %		80-120		P3C3104	03/31/23 09:39	04/01/23 18:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.1 %		80-120		P3C3104	03/31/23 09:39	04/01/23 18:45	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	32.5	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 20:44	TPH 8015M	
>C12-C28	ND	32.5	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 20:44	TPH 8015M	
>C28-C35	ND	32.5	mg/kg dry	1	P3C2917	03/29/23 15:37	03/31/23 20:44	TPH 8015M	
Surrogate: 1-Chlorooctane	101 %		70-130		P3C2917	03/29/23 15:37	03/31/23 20:44	TPH 8015M	
Surrogate: o-Terphenyl	129 %		70-130		P3C2917	03/29/23 15:37	03/31/23 20:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	32.5	mg/kg dry	1	[CALC]	03/29/23 15:37	03/31/23 20:44	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	55.0	1.30	mg/kg dry	1	P3D0503	04/05/23 14:45	04/07/23 15:56	EPA 300.0	
% Moisture	23.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-7
3C28007-07 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00133	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 19:05	EPA 8021B	
Toluene	ND	0.00133	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 19:05	EPA 8021B	
Ethylbenzene	ND	0.00133	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 19:05	EPA 8021B	
Xylene (p/m)	ND	0.00267	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 19:05	EPA 8021B	
Xylene (o)	ND	0.00133	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 19:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.0 %		80-120		P3C3104	03/31/23 09:39	04/01/23 19:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.1 %		80-120		P3C3104	03/31/23 09:39	04/01/23 19:05	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	33.3	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 21:19	TPH 8015M	
>C12-C28	ND	33.3	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 21:19	TPH 8015M	
>C28-C35	ND	33.3	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 21:19	TPH 8015M	
Surrogate: 1-Chlorooctane	83.5 %		70-130		P3C3111	03/31/23 13:40	04/01/23 21:19	TPH 8015M	
Surrogate: o-Terphenyl	95.1 %		70-130		P3C3111	03/31/23 13:40	04/01/23 21:19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	33.3	mg/kg dry	1	[CALC]	03/31/23 13:40	04/01/23 21:19	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	42.2	1.33	mg/kg dry	1	P3D0504	04/05/23 14:47	04/07/23 16:10	EPA 300.0	
% Moisture	25.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-8
3C28007-08 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:06	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:06	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:06	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:06	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.6 %		80-120		P3C3104	03/31/23 09:39	04/01/23 20:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.6 %		80-120		P3C3104	03/31/23 09:39	04/01/23 20:06	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 21:44	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 21:44	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 21:44	TPH 8015M	
Surrogate: 1-Chlorooctane	95.7 %		70-130		P3C3111	03/31/23 13:40	04/01/23 21:44	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		P3C3111	03/31/23 13:40	04/01/23 21:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/31/23 13:40	04/01/23 21:44	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	274	1.14	mg/kg dry	1	P3D0504	04/05/23 14:47	04/06/23 22:38	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-9
3C28007-09 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:27	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:27	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:27	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:27	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.5 %		80-120		P3C3104	03/31/23 09:39	04/01/23 20:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.8 %		80-120		P3C3104	03/31/23 09:39	04/01/23 20:27	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 22:09	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 22:09	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 22:09	TPH 8015M	
Surrogate: 1-Chlorooctane	82.6 %		70-130		P3C3111	03/31/23 13:40	04/01/23 22:09	TPH 8015M	
Surrogate: o-Terphenyl	88.8 %		70-130		P3C3111	03/31/23 13:40	04/01/23 22:09	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/31/23 13:40	04/01/23 22:09	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	73.0	1.14	mg/kg dry	1	P3D0504	04/05/23 14:47	04/07/23 16:25	EPA 300.0	
% Moisture	12.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-10
3C28007-10 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:47	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:47	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:47	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:47	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 20:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.3 %		80-120		P3C3104	03/31/23 09:39	04/01/23 20:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.6 %		80-120		P3C3104	03/31/23 09:39	04/01/23 20:47	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 22:36	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 22:36	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 22:36	TPH 8015M	
Surrogate: 1-Chlorooctane	77.9 %		70-130		P3C3111	03/31/23 13:40	04/01/23 22:36	TPH 8015M	
Surrogate: o-Terphenyl	85.9 %		70-130		P3C3111	03/31/23 13:40	04/01/23 22:36	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	03/31/23 13:40	04/01/23 22:36	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	36.5	1.12	mg/kg dry	1	P3D0504	04/05/23 14:47	04/07/23 16:39	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-11
3C28007-11 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:07	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:07	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:07	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:07	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.2 %		80-120		P3C3104	03/31/23 09:39	04/01/23 21:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.0 %		80-120		P3C3104	03/31/23 09:39	04/01/23 21:07	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 23:03	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 23:03	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 23:03	TPH 8015M	
Surrogate: 1-Chlorooctane	86.7 %		70-130		P3C3111	03/31/23 13:40	04/01/23 23:03	TPH 8015M	
Surrogate: o-Terphenyl	95.2 %		70-130		P3C3111	03/31/23 13:40	04/01/23 23:03	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/31/23 13:40	04/01/23 23:03	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	35.4	1.11	mg/kg dry	1	P3D0504	04/05/23 14:47	04/07/23 16:53	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-12
3C28007-12 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:28	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:28	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:28	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:28	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.7 %		80-120		P3C3104	03/31/23 09:39	04/01/23 21:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.8 %		80-120		P3C3104	03/31/23 09:39	04/01/23 21:28	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 23:29	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 23:29	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 23:29	TPH 8015M	
Surrogate: 1-Chlorooctane	78.3 %		70-130		P3C3111	03/31/23 13:40	04/01/23 23:29	TPH 8015M	
Surrogate: o-Terphenyl	86.2 %		70-130		P3C3111	03/31/23 13:40	04/01/23 23:29	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	03/31/23 13:40	04/01/23 23:29	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	17.8	1.12	mg/kg dry	1	P3D0504	04/05/23 14:47	04/07/23 17:07	EPA 300.0	
% Moisture	11.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-13
3C28007-13 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:48	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:48	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:48	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:48	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 21:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.1 %		80-120		P3C3104	03/31/23 09:39	04/01/23 21:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P3C3104	03/31/23 09:39	04/01/23 21:48	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 23:55	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 23:55	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/01/23 23:55	TPH 8015M	
Surrogate: 1-Chlorooctane	82.7 %		70-130		P3C3111	03/31/23 13:40	04/01/23 23:55	TPH 8015M	
Surrogate: o-Terphenyl	91.2 %		70-130		P3C3111	03/31/23 13:40	04/01/23 23:55	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/31/23 13:40	04/01/23 23:55	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	46.7	1.16	mg/kg dry	1	P3D0504	04/05/23 14:47	04/07/23 17:22	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-14
3C28007-14 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 22:09	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 22:09	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 22:09	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 22:09	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 22:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.3 %		80-120		P3C3104	03/31/23 09:39	04/01/23 22:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P3C3104	03/31/23 09:39	04/01/23 22:09	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 00:21	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 00:21	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 00:21	TPH 8015M	
Surrogate: 1-Chlorooctane	81.0 %		70-130		P3C3111	03/31/23 13:40	04/02/23 00:21	TPH 8015M	
Surrogate: o-Terphenyl	89.3 %		70-130		P3C3111	03/31/23 13:40	04/02/23 00:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/31/23 13:40	04/02/23 00:21	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	18.6	1.16	mg/kg dry	1	P3D0504	04/05/23 14:47	04/07/23 17:36	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

BF-15
3C28007-15 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 22:29	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 22:29	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 22:29	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 22:29	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3C3104	03/31/23 09:39	04/01/23 22:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.3 %		80-120		P3C3104	03/31/23 09:39	04/01/23 22:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P3C3104	03/31/23 09:39	04/01/23 22:29	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 00:47	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 00:47	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 00:47	TPH 8015M	
Surrogate: 1-Chlorooctane	71.3 %		70-130		P3C3111	03/31/23 13:40	04/02/23 00:47	TPH 8015M	
Surrogate: o-Terphenyl	77.7 %		70-130		P3C3111	03/31/23 13:40	04/02/23 00:47	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/31/23 13:40	04/02/23 00:47	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	25.4	1.16	mg/kg dry	1	P3D0504	04/05/23 14:47	04/07/23 17:51	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3C3005	03/30/23 12:12	03/30/23 12:46	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3104 - * DEFAULT PREP *****

Blank (P3C3104-BLK1)

Prepared & Analyzed: 03/31/23

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0990		"	0.120		82.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.7	80-120			

LCS (P3C3104-BS1)

Prepared & Analyzed: 03/31/23

Benzene	0.114	0.00100	mg/kg	0.100		114	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200		96.5	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		108	80-120			

LCS Dup (P3C3104-BSD1)

Prepared & Analyzed: 03/31/23

Benzene	0.108	0.00100	mg/kg	0.100		108	80-120	5.48	20	
Toluene	0.103	0.00100	"	0.100		103	80-120	5.00	20	
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120	4.72	20	
Xylene (p/m)	0.184	0.00200	"	0.200		91.8	80-120	4.93	20	
Xylene (o)	0.0973	0.00100	"	0.100		97.3	80-120	4.33	20	
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.5	80-120			

Calibration Blank (P3C3104-CCB1)

Prepared & Analyzed: 03/31/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.220		"							
Xylene (p/m)	0.510		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.6	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3104 - * DEFAULT PREP *****

Calibration Blank (P3C3104-CCB2)

Prepared: 03/31/23 Analyzed: 04/01/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.1	80-120			

Calibration Check (P3C3104-CCV1)

Prepared & Analyzed: 03/31/23

Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.0984	0.00100	"	0.100		98.4	80-120			
Ethylbenzene	0.0942	0.00100	"	0.100		94.2	80-120			
Xylene (p/m)	0.173	0.00200	"	0.200		86.5	80-120			
Xylene (o)	0.0924	0.00100	"	0.100		92.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	75-125			

Calibration Check (P3C3104-CCV2)

Prepared: 03/31/23 Analyzed: 04/01/23

Benzene	0.115	0.00100	mg/kg	0.100		115	80-120			
Toluene	0.0970	0.00100	"	0.100		97.0	80-120			
Ethylbenzene	0.0897	0.00100	"	0.100		89.7	80-120			
Xylene (p/m)	0.165	0.00200	"	0.200		82.5	80-120			
Xylene (o)	0.0938	0.00100	"	0.100		93.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.1	75-125			

Calibration Check (P3C3104-CCV3)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.109	0.00100	mg/kg	0.100		109	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0952	0.00100	"	0.100		95.2	80-120			
Xylene (p/m)	0.170	0.00200	"	0.200		85.2	80-120			
Xylene (o)	0.0953	0.00100	"	0.100		95.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.8	75-125			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3104 - * DEFAULT PREP *****

Matrix Spike (P3C3104-MS1)

Source: 3C27005-08

Prepared: 03/31/23 Analyzed: 04/01/23

Benzene	0.0825	0.00109	mg/kg dry	0.109	ND	75.9	80-120			QM-05
Toluene	0.0605	0.00109	"	0.109	ND	55.7	80-120			QM-05
Ethylbenzene	0.0590	0.00109	"	0.109	ND	54.3	80-120			QM-05
Xylene (p/m)	0.0437	0.00217	"	0.217	ND	20.1	80-120			QM-05
Xylene (o)	0.0593	0.00109	"	0.109	ND	54.6	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.139		"	0.130		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.130		96.9	80-120			

Matrix Spike Dup (P3C3104-MSD1)

Source: 3C27005-08

Prepared: 03/31/23 Analyzed: 04/01/23

Benzene	0.0816	0.00109	mg/kg dry	0.109	ND	75.1	80-120	1.03	20	QM-05
Toluene	0.0639	0.00109	"	0.109	ND	58.8	80-120	5.40	20	QM-05
Ethylbenzene	0.0587	0.00109	"	0.109	ND	54.0	80-120	0.573	20	QM-05
Xylene (p/m)	0.0985	0.00217	"	0.217	ND	45.3	80-120	77.1	20	QM-05
Xylene (o)	0.0614	0.00109	"	0.109	ND	56.4	80-120	3.35	20	QM-05
Surrogate: 1,4-Difluorobenzene	0.127		"	0.130		97.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.146		"	0.130		112	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2917 - TX 1005										
Blank (P3C2917-BLK1) Prepared: 03/29/23 Analyzed: 03/31/23										
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	65.8		"	50.0		132	70-130			S-GC
LCS (P3C2917-BS1) Prepared: 03/29/23 Analyzed: 03/31/23										
C6-C12	805	25.0	mg/kg	1000		80.5	75-125			
>C12-C28	1080	25.0	"	1000		108	75-125			
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	66.5		"	50.0		133	70-130			S-GC
LCS Dup (P3C2917-BSD1) Prepared: 03/29/23 Analyzed: 03/31/23										
C6-C12	801	25.0	mg/kg	1000		80.1	75-125	0.440	20	
>C12-C28	1080	25.0	"	1000		108	75-125	0.140	20	
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	65.8		"	50.0		132	70-130			S-GC
Calibration Check (P3C2917-CCV1) Prepared: 03/29/23 Analyzed: 03/31/23										
C6-C12	478	25.0	mg/kg	500		95.7	85-115			
>C12-C28	533	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	130		"	100		130	70-130			
Surrogate: o-Terphenyl	67.9		"	50.0		136	70-130			S-GC
Calibration Check (P3C2917-CCV2) Prepared: 03/29/23 Analyzed: 03/31/23										
C6-C12	491	25.0	mg/kg	500		98.3	85-115			
>C12-C28	530	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	68.5		"	50.0		137	70-130			S-GC

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C2917 - TX 1005

Matrix Spike (P3C2917-MS1)

Source: 3C28007-06

Prepared: 03/29/23 Analyzed: 03/31/23

C6-C12	920	32.5	mg/kg dry	1300	15.5	69.7	75-125			QM-05
>C12-C28	1290	32.5	"	1300	ND	99.2	75-125			
Surrogate: 1-Chlorooctane	161		"	130		124	70-130			
Surrogate: o-Terphenyl	77.9		"	64.9		120	70-130			

Matrix Spike Dup (P3C2917-MSD1)

Source: 3C28007-06

Prepared: 03/29/23 Analyzed: 03/31/23

C6-C12	913	32.5	mg/kg dry	1300	15.5	69.1	75-125	0.796	20	QM-05
>C12-C28	1280	32.5	"	1300	ND	98.4	75-125	0.844	20	
Surrogate: 1-Chlorooctane	160		"	130		123	70-130			
Surrogate: o-Terphenyl	77.0		"	64.9		119	70-130			

Batch P3C3111 - TX 1005

Blank (P3C3111-BLK1)

Prepared: 03/31/23 Analyzed: 04/01/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	98.3		"	100		98.3	70-130			
Surrogate: o-Terphenyl	53.5		"	50.0		107	70-130			

LCS (P3C3111-BS1)

Prepared: 03/31/23 Analyzed: 04/01/23

C6-C12	789	25.0	mg/kg	1000		78.9	75-125			
>C12-C28	1030	25.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	52.6		"	50.0		105	70-130			

LCS Dup (P3C3111-BSD1)

Prepared: 03/31/23 Analyzed: 04/01/23

C6-C12	801	25.0	mg/kg	1000		80.1	75-125	1.43	20	
>C12-C28	1050	25.0	"	1000		105	75-125	2.70	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	48.8		"	50.0		97.7	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C3111 - TX 1005										
Calibration Check (P3C3111-CCV1)				Prepared: 03/31/23 Analyzed: 04/01/23						
C6-C12	481	25.0	mg/kg	500		96.1	85-115			
>C12-C28	504	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	98.2		"	100		98.2	70-130			
Surrogate: o-Terphenyl	44.8		"	50.0		89.7	70-130			
Calibration Check (P3C3111-CCV2)				Prepared: 03/31/23 Analyzed: 04/02/23						
C6-C12	462	25.0	mg/kg	500		92.4	85-115			
>C12-C28	537	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	97.9		"	100		97.9	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.5	70-130			
Calibration Check (P3C3111-CCV3)				Prepared: 03/31/23 Analyzed: 04/02/23						
C6-C12	454	25.0	mg/kg	500		90.8	85-115			
>C12-C28	494	25.0	"	500		98.8	85-115			
Surrogate: 1-Chlorooctane	93.4		"	100		93.4	70-130			
Surrogate: o-Terphenyl	43.9		"	50.0		87.8	70-130			
Matrix Spike (P3C3111-MS1)				Source: 3C27009-02	Prepared: 03/31/23 Analyzed: 04/02/23					
C6-C12	689	26.0	mg/kg dry	1040	ND	66.2	75-125			QM-05
>C12-C28	917	26.0	"	1040	48.9	83.4	75-125			
Surrogate: 1-Chlorooctane	96.4		"	104		92.5	70-130			
Surrogate: o-Terphenyl	50.3		"	52.1		96.6	70-130			
Matrix Spike Dup (P3C3111-MSD1)				Source: 3C27009-02	Prepared: 03/31/23 Analyzed: 04/02/23					
C6-C12	676	26.0	mg/kg dry	1040	ND	64.9	75-125	1.88	20	QM-05
>C12-C28	899	26.0	"	1040	48.9	81.6	75-125	2.17	20	
Surrogate: 1-Chlorooctane	93.6		"	104		89.9	70-130			
Surrogate: o-Terphenyl	42.2		"	52.1		81.1	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C3005 - *** DEFAULT PREP ***										
Blank (P3C3005-BLK1)	Prepared & Analyzed: 03/30/23									
% Moisture	ND	0.1	%							
Blank (P3C3005-BLK2)	Prepared & Analyzed: 03/30/23									
% Moisture	ND	0.1	%							
Blank (P3C3005-BLK3)	Prepared & Analyzed: 03/30/23									
% Moisture	ND	0.1	%							
Blank (P3C3005-BLK4)	Prepared & Analyzed: 03/30/23									
% Moisture	ND	0.1	%							
Duplicate (P3C3005-DUP1)	Source: 3C27010-03			Prepared & Analyzed: 03/30/23						
% Moisture	4.0	0.1	%		3.0			28.6	20	R3
Duplicate (P3C3005-DUP2)	Source: 3C28007-07			Prepared & Analyzed: 03/30/23						
% Moisture	25.0	0.1	%		25.0			0.00	20	
Duplicate (P3C3005-DUP3)	Source: 3C27004-36			Prepared & Analyzed: 03/30/23						
% Moisture	9.0	0.1	%		8.0			11.8	20	
Batch P3D0503 - *** DEFAULT PREP ***										
Blank (P3D0503-BLK1)	Prepared: 04/05/23 Analyzed: 04/06/23									
Chloride	ND	1.00	mg/kg							
LCS (P3D0503-BS1)	Prepared: 04/05/23 Analyzed: 04/06/23									
Chloride	21.6		mg/kg	20.0		108	90-110			

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D0503 - *** DEFAULT PREP ***										
LCS Dup (P3D0503-BSD1)				Prepared: 04/05/23 Analyzed: 04/06/23						
Chloride	21.5		mg/kg	20.0		108	90-110	0.431	10	
Calibration Check (P3D0503-CCV1)				Prepared: 04/05/23 Analyzed: 04/06/23						
Chloride	21.6		mg/kg	20.0		108	90-110			
Calibration Check (P3D0503-CCV2)				Prepared: 04/05/23 Analyzed: 04/06/23						
Chloride	22.0		mg/kg	20.0		110	90-110			
Matrix Spike (P3D0503-MS1)				Source: 3C27006-73		Prepared: 04/05/23 Analyzed: 04/06/23				
Chloride	119		mg/kg	100	0.198	119	80-120			
Matrix Spike (P3D0503-MS2)				Source: 3C27010-03		Prepared: 04/05/23 Analyzed: 04/06/23				
Chloride	156		mg/kg	100	34.8	122	80-120			QM-05
Matrix Spike Dup (P3D0503-MSD1)				Source: 3C27006-73		Prepared: 04/05/23 Analyzed: 04/06/23				
Chloride	117		mg/kg	100	0.198	116	80-120	2.10	20	
Matrix Spike Dup (P3D0503-MSD2)				Source: 3C27010-03		Prepared: 04/05/23 Analyzed: 04/06/23				
Chloride	155		mg/kg	100	34.8	120	80-120	1.15	20	
Batch P3D0504 - *** DEFAULT PREP ***										
Blank (P3D0504-BLK1)				Prepared: 04/05/23 Analyzed: 04/06/23						
Chloride	ND	1.00	mg/kg							
LCS (P3D0504-BS1)				Prepared: 04/05/23 Analyzed: 04/07/23						
Chloride	21.4		mg/kg	20.0		107	90-110			

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D0504 - *** DEFAULT PREP ***										
LCS Dup (P3D0504-BSD1)				Prepared: 04/05/23 Analyzed: 04/06/23						
Chloride	21.6		mg/kg	20.0		108	90-110	0.903	10	
Calibration Check (P3D0504-CCV1)				Prepared: 04/05/23 Analyzed: 04/06/23						
Chloride	21.8		mg/kg	20.0		109	90-110			
Calibration Check (P3D0504-CCV2)				Prepared: 04/05/23 Analyzed: 04/07/23						
Chloride	21.3		mg/kg	20.0		106	90-110			
Matrix Spike (P3D0504-MS1)				Source: 3C28007-07		Prepared: 04/05/23 Analyzed: 04/06/23				
Chloride	112		mg/kg	100	0.633	112	80-120			
Matrix Spike (P3D0504-MS2)				Source: 3C28010-02		Prepared: 04/05/23 Analyzed: 04/07/23				
Chloride	135		mg/kg	100	20.3	115	80-120			
Matrix Spike Dup (P3D0504-MSD1)				Source: 3C28007-07		Prepared: 04/05/23 Analyzed: 04/06/23				
Chloride	115		mg/kg	100	0.633	115	80-120	2.72	20	
Matrix Spike Dup (P3D0504-MSD2)				Source: 3C28010-02		Prepared: 04/05/23 Analyzed: 04/07/23				
Chloride	128		mg/kg	100	20.3	107	80-120	5.97	20	

Permian Basin Environmental Lab, L.P.

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

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

Project: Breakwater Backfill
Project Number: 22-0107-01
Project Manager: Mark Larson

Notes and Definitions

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

ROI Received on Ice

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

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

NPBEL C Chain of Custody was not generated at PBELAB

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

4/10/2023

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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

Larson & Associates, Inc.

Project: Breakwater Backfill

P.O. Box 50685

Project Number: 22-0107-01

Midland TX, 79710

Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

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

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



Analytical Report

Prepared for:

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Location: New Mexico
Lab Order Number: 3C30002



Current Certification

Report Date: 04/04/23

Larson & Associates, Inc.	Project: Hayhurst Pond 2
P.O. Box 50685	Project Number: 22-0107-01
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-1 @ 1'	3C30002-01	Soil	03/29/23 00:00	03-30-2023 08:55
BG-1 @ 3'	3C30002-02	Soil	03/29/23 00:00	03-30-2023 08:55
BG-1 @ 4'	3C30002-03	Soil	03/29/23 00:00	03-30-2023 08:55
BG-2 @ 1'	3C30002-04	Soil	03/29/23 00:00	03-30-2023 08:55
BG-2 @ 3'	3C30002-05	Soil	03/29/23 00:00	03-30-2023 08:55
BG-3 @ 1'	3C30002-06	Soil	03/29/23 00:00	03-30-2023 08:55
BG-3 @ 3'	3C30002-07	Soil	03/29/23 00:00	03-30-2023 08:55

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

BG-1 @ 1'
3C30002-01 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 02:42	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 02:42	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 02:42	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 02:42	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 02:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	110 %		80-120		P3C3117	03/31/23 16:46	04/02/23 02:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.3 %		80-120		P3C3117	03/31/23 16:46	04/02/23 02:42	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 03:03	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 03:03	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 03:03	TPH 8015M	
Surrogate: 1-Chlorooctane	72.6 %		70-130		P3C3111	03/31/23 13:40	04/02/23 03:03	TPH 8015M	
Surrogate: o-Terphenyl	83.2 %		70-130		P3C3111	03/31/23 13:40	04/02/23 03:03	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/31/23 13:40	04/02/23 03:03	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	43.4	1.08	mg/kg dry	1	P3C3001	03/30/23 08:00	03/31/23 09:30	EPA 300.0	
% Moisture	7.0	0.1	%	1	P3C3105	03/31/23 11:37	04/02/23 17:09	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

BG-1 @ 3'
3C30002-02 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:03	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:03	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:03	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:03	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	111 %		80-120		P3C3117	03/31/23 16:46	04/02/23 03:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.0 %		80-120		P3C3117	03/31/23 16:46	04/02/23 03:03	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 03:30	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 03:30	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 03:30	TPH 8015M	
Surrogate: 1-Chlorooctane	79.3 %		70-130		P3C3111	03/31/23 13:40	04/02/23 03:30	TPH 8015M	
Surrogate: o-Terphenyl	91.2 %		70-130		P3C3111	03/31/23 13:40	04/02/23 03:30	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/31/23 13:40	04/02/23 03:30	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	19.2	1.06	mg/kg dry	1	P3C3001	03/30/23 08:00	03/31/23 09:51	EPA 300.0	
% Moisture	6.0	0.1	%	1	P3C3105	03/31/23 11:37	04/02/23 17:09	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

BG-1 @ 4'
3C30002-03 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:24	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:24	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:24	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:24	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	113 %		80-120		P3C3117	03/31/23 16:46	04/02/23 03:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.7 %		80-120		P3C3117	03/31/23 16:46	04/02/23 03:24	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 03:57	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 03:57	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 03:57	TPH 8015M	
Surrogate: 1-Chlorooctane	72.7 %		70-130		P3C3111	03/31/23 13:40	04/02/23 03:57	TPH 8015M	
Surrogate: o-Terphenyl	85.4 %		70-130		P3C3111	03/31/23 13:40	04/02/23 03:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/31/23 13:40	04/02/23 03:57	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	16.0	1.08	mg/kg dry	1	P3C3001	03/30/23 08:00	03/31/23 10:12	EPA 300.0	
% Moisture	7.0	0.1	%	1	P3C3105	03/31/23 11:37	04/02/23 17:09	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

BG-2 @ 1'
3C30002-04 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:46	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:46	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:46	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:46	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 03:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.8 %		80-120		P3C3117	03/31/23 16:46	04/02/23 03:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	111 %		80-120		P3C3117	03/31/23 16:46	04/02/23 03:46	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 04:24	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 04:24	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 04:24	TPH 8015M	
Surrogate: 1-Chlorooctane	81.2 %		70-130		P3C3111	03/31/23 13:40	04/02/23 04:24	TPH 8015M	
Surrogate: o-Terphenyl	94.8 %		70-130		P3C3111	03/31/23 13:40	04/02/23 04:24	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	03/31/23 13:40	04/02/23 04:24	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	22.7	1.09	mg/kg dry	1	P3C3001	03/30/23 08:00	03/31/23 10:32	EPA 300.0	
% Moisture	8.0	0.1	%	1	P3C3105	03/31/23 11:37	04/02/23 17:09	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

BG-2 @ 3'
3C30002-05 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:07	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:07	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:07	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:07	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.9 %		80-120		P3C3117	03/31/23 16:46	04/02/23 04:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	111 %		80-120		P3C3117	03/31/23 16:46	04/02/23 04:07	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 04:52	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 04:52	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 04:52	TPH 8015M	
Surrogate: 1-Chlorooctane	75.9 %		70-130		P3C3111	03/31/23 13:40	04/02/23 04:52	TPH 8015M	
Surrogate: o-Terphenyl	87.6 %		70-130		P3C3111	03/31/23 13:40	04/02/23 04:52	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	03/31/23 13:40	04/02/23 04:52	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	19.7	1.01	mg/kg dry	1	P3C3001	03/30/23 08:00	03/31/23 10:53	EPA 300.0	
% Moisture	1.0	0.1	%	1	P3C3105	03/31/23 11:37	04/02/23 17:09	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

BG-3 @ 1'
3C30002-06 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00116	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:28	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:28	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:28	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:28	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P3C3117	03/31/23 16:46	04/02/23 04:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.2 %		80-120		P3C3117	03/31/23 16:46	04/02/23 04:28	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 05:21	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 05:21	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 05:21	TPH 8015M	
Surrogate: 1-Chlorooctane	80.0 %		70-130		P3C3111	03/31/23 13:40	04/02/23 05:21	TPH 8015M	
Surrogate: o-Terphenyl	91.2 %		70-130		P3C3111	03/31/23 13:40	04/02/23 05:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	03/31/23 13:40	04/02/23 05:21	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	48.0	1.16	mg/kg dry	1	P3C3001	03/30/23 08:00	03/31/23 11:13	EPA 300.0	
% Moisture	14.0	0.1	%	1	P3C3105	03/31/23 11:37	04/02/23 17:09	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

BG-3 @ 3'
3C30002-07 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:49	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:49	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:49	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:49	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 04:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.4 %		80-120		P3C3117	03/31/23 16:46	04/02/23 04:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	112 %		80-120		P3C3117	03/31/23 16:46	04/02/23 04:49	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 05:48	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 05:48	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3C3111	03/31/23 13:40	04/02/23 05:48	TPH 8015M	
Surrogate: 1-Chlorooctane	73.6 %		70-130		P3C3111	03/31/23 13:40	04/02/23 05:48	TPH 8015M	
Surrogate: o-Terphenyl	86.5 %		70-130		P3C3111	03/31/23 13:40	04/02/23 05:48	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/31/23 13:40	04/02/23 05:48	calc	

General Chemistry Parameters by EPA/ Standard Methods

Chloride	29.4	1.08	mg/kg dry	1	P3C3001	03/30/23 08:00	03/31/23 11:34	EPA 300.0	
% Moisture	7.0	0.1	%	1	P3C3105	03/31/23 11:37	04/02/23 17:09	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3117 - * DEFAULT PREP *****

Blank (P3C3117-BLK1)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.2	80-120			

LCS (P3C3117-BS1)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.0967	0.00100	"	0.100		96.7	80-120			
Ethylbenzene	0.0988	0.00100	"	0.100		98.8	80-120			
Xylene (p/m)	0.170	0.00200	"	0.200		84.9	80-120			
Xylene (o)	0.0915	0.00100	"	0.100		91.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		112	80-120			

LCS Dup (P3C3117-BS1)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.0969	0.00100	mg/kg	0.100		96.9	80-120	6.21	20	
Toluene	0.0897	0.00100	"	0.100		89.7	80-120	7.50	20	
Ethylbenzene	0.0915	0.00100	"	0.100		91.5	80-120	7.70	20	
Xylene (p/m)	0.161	0.00200	"	0.200		80.7	80-120	5.14	20	
Xylene (o)	0.0846	0.00100	"	0.100		84.6	80-120	7.88	20	
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		112	80-120			

Calibration Blank (P3C3117-CCB1)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3117 - * DEFAULT PREP *****

Calibration Blank (P3C3117-CCB2)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.110		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.0	80-120			

Calibration Check (P3C3117-CCV1)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.109	0.00100	mg/kg	0.100		109	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0952	0.00100	"	0.100		95.2	80-120			
Xylene (p/m)	0.170	0.00200	"	0.200		85.2	80-120			
Xylene (o)	0.0953	0.00100	"	0.100		95.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.8	75-125			

Calibration Check (P3C3117-CCV2)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.0939	0.00100	mg/kg	0.100		93.9	80-120			
Toluene	0.0851	0.00100	"	0.100		85.1	80-120			
Ethylbenzene	0.0804	0.00100	"	0.100		80.4	80-120			
Xylene (p/m)	0.160	0.00200	"	0.200		80.1	80-120			
Xylene (o)	0.0802	0.00100	"	0.100		80.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.120		113	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	75-125			

Calibration Check (P3C3117-CCV3)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.0969	0.00100	"	0.100		96.9	80-120			
Ethylbenzene	0.0902	0.00100	"	0.100		90.2	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.2	80-120			
Xylene (o)	0.0911	0.00100	"	0.100		91.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3117 - * DEFAULT PREP *****

Matrix Spike (P3C3117-MS1)		Source: 3C30002-01		Prepared: 03/31/23 Analyzed: 04/02/23						
Benzene	0.0739	0.00108	mg/kg dry	0.108	ND	68.7	80-120			QM-05
Toluene	0.0599	0.00108	"	0.108	ND	55.7	80-120			QM-05
Ethylbenzene	0.0633	0.00108	"	0.108	ND	58.8	80-120			QM-05
Xylene (p/m)	0.110	0.00215	"	0.215	ND	51.1	80-120			QM-05
Xylene (o)	0.0578	0.00108	"	0.108	ND	53.8	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.148		"	0.129		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.129		95.3	80-120			

Matrix Spike Dup (P3C3117-MSD1)		Source: 3C30002-01		Prepared: 03/31/23 Analyzed: 04/02/23						
Benzene	0.0753	0.00108	mg/kg dry	0.108	ND	70.0	80-120	1.82	20	QM-05
Toluene	0.0604	0.00108	"	0.108	ND	56.2	80-120	0.804	20	QM-05
Ethylbenzene	0.0637	0.00108	"	0.108	ND	59.2	80-120	0.661	20	QM-05
Xylene (p/m)	0.110	0.00215	"	0.215	ND	51.3	80-120	0.273	20	QM-05
Xylene (o)	0.0575	0.00108	"	0.108	ND	53.4	80-120	0.653	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.145		"	0.129		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.129		96.2	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3111 - TX 1005

Blank (P3C3111-BLK1)

Prepared: 03/31/23 Analyzed: 04/01/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	98.3		"	100		98.3	70-130			
Surrogate: o-Terphenyl	53.5		"	50.0		107	70-130			

LCS (P3C3111-BS1)

Prepared: 03/31/23 Analyzed: 04/01/23

C6-C12	789	25.0	mg/kg	1000		78.9	75-125			
>C12-C28	1030	25.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	52.6		"	50.0		105	70-130			

LCS Dup (P3C3111-BS1)

Prepared: 03/31/23 Analyzed: 04/01/23

C6-C12	801	25.0	mg/kg	1000		80.1	75-125	1.43	20	
>C12-C28	1050	25.0	"	1000		105	75-125	2.70	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	48.8		"	50.0		97.7	70-130			

Calibration Check (P3C3111-CCV1)

Prepared: 03/31/23 Analyzed: 04/01/23

C6-C12	481	25.0	mg/kg	500		96.1	85-115			
>C12-C28	504	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	98.2		"	100		98.2	70-130			
Surrogate: o-Terphenyl	44.8		"	50.0		89.7	70-130			

Calibration Check (P3C3111-CCV2)

Prepared: 03/31/23 Analyzed: 04/02/23

C6-C12	462	25.0	mg/kg	500		92.4	85-115			
>C12-C28	537	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	97.9		"	100		97.9	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.5	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3111 - TX 1005

Calibration Check (P3C3111-CCV3)

Prepared: 03/31/23 Analyzed: 04/02/23

C6-C12	454	25.0	mg/kg	500		90.8	85-115			
>C12-C28	494	25.0	"	500		98.8	85-115			
Surrogate: 1-Chlorooctane	93.4		"	100		93.4	70-130			
Surrogate: o-Terphenyl	43.9		"	50.0		87.8	70-130			

Matrix Spike (P3C3111-MS1)

Source: 3C27009-02

Prepared: 03/31/23 Analyzed: 04/02/23

C6-C12	689	26.0	mg/kg dry	1040	ND	66.2	75-125			QM-05
>C12-C28	917	26.0	"	1040	48.9	83.4	75-125			
Surrogate: 1-Chlorooctane	96.4		"	104		92.5	70-130			
Surrogate: o-Terphenyl	50.3		"	52.1		96.6	70-130			

Matrix Spike Dup (P3C3111-MSD1)

Source: 3C27009-02

Prepared: 03/31/23 Analyzed: 04/02/23

C6-C12	676	26.0	mg/kg dry	1040	ND	64.9	75-125	1.88	20	QM-05
>C12-C28	899	26.0	"	1040	48.9	81.6	75-125	2.17	20	
Surrogate: 1-Chlorooctane	93.6		"	104		89.9	70-130			
Surrogate: o-Terphenyl	42.2		"	52.1		81.1	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C3001 - *** DEFAULT PREP ***										
Blank (P3C3001-BLK1)				Prepared & Analyzed: 03/30/23						
Chloride	ND	1.00	mg/kg							
LCS (P3C3001-BS1)				Prepared & Analyzed: 03/30/23						
Chloride	19.7		mg/kg	20.0		98.6	90-110			
LCS Dup (P3C3001-BSD1)				Prepared & Analyzed: 03/30/23						
Chloride	19.4		mg/kg	20.0		96.8	90-110	1.80	10	
Calibration Check (P3C3001-CCV1)				Prepared & Analyzed: 03/30/23						
Chloride	18.8		mg/kg	20.0		94.2	90-110			
Calibration Check (P3C3001-CCV2)				Prepared: 03/30/23 Analyzed: 03/31/23						
Chloride	19.1		mg/kg	20.0		95.4	90-110			
Matrix Spike (P3C3001-MS1)		Source: 3C29004-01		Prepared & Analyzed: 03/30/23						
Chloride	108		mg/kg	50.0	59.2	97.4	80-120			
Matrix Spike Dup (P3C3001-MSD1)		Source: 3C29004-01		Prepared & Analyzed: 03/30/23						
Chloride	110		mg/kg	50.0	59.2	102	80-120	2.34	20	
Batch P3C3105 - *** DEFAULT PREP ***										
Blank (P3C3105-BLK1)				Prepared & Analyzed: 03/31/23						
% Moisture	ND	0.1	%							
Duplicate (P3C3105-DUP1)		Source: 3C29002-04		Prepared: 03/31/23 Analyzed: 04/02/23						
% Moisture	1.0	0.1	%		2.0			66.7	20	R

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3105 - * DEFAULT PREP *****

Duplicate (P3C3105-DUP2)	Source: 3C29002-19		Prepared: 03/31/23 Analyzed: 04/02/23							
% Moisture	4.0	0.1	%		ND			200	20	R
Duplicate (P3C3105-DUP3)	Source: 3C30001-10		Prepared: 03/31/23 Analyzed: 04/02/23							
% Moisture	13.0	0.1	%		13.0			0.00	20	
Duplicate (P3C3105-DUP4)	Source: 3C30001-20		Prepared: 03/31/23 Analyzed: 04/02/23							
% Moisture	12.0	0.1	%		13.0			8.00	20	
Duplicate (P3C3105-DUP5)	Source: 3C30002-01		Prepared: 03/31/23 Analyzed: 04/02/23							
% Moisture	7.0	0.1	%		7.0			0.00	20	

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

Notes and Definitions

ROI Received on Ice

R The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.

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

NPBEL C Chain of Custody was not generated at PBELAB

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

4/4/2023

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.

Project: Hayhurst Pond 2

P.O. Box 50685

Project Number: 22-0107-01

Midland TX, 79710

Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

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

Arson & Associates, Inc.
Environmental Consultants

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

Data Reported to:

Robert Nelson / Mark A. Aison

DATE: 3/29/2023

PO#:

PROJECT LOCATION OR NAME:

LA PROJECT #: 22-0107-01

COLLECTOR: KLG

PAGE 1 OF 1

LAB WORK ORDER#: 3030002

LAB WORK ORDER#: 3030002

Page 19 of 19

CHAIN-OF-CUSTODY

Nº 1990

TRRP report?
☐ Yes ☒ No

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

TIME ZONE:
Time zone/State:

MNT / NM

Field
Sample I.D.

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

PRESERVATION

ANALYSES

BTX ☐ MTBE ☐ TPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐

GASOLINE MOD 8015 ☐

DIESEL - MOD 8015 ☐

OIL - MOD 8015 ☐

VOC 8260 ☐

SVOC 8270 ☐

8081 PESTICIDES ☐

8082 PESTICIDES ☐

TCLP - PCBs ☐

TCLP - METALS (RCRA) ☐

TCLP - METALS (RCRA) ☐

TCLP - PEST ☐

LEAD - TOTAL (RCRA) ☐

RCI ☐

TDS ☐

pH ☐

FLASHPOINT ☐

% MOISTURE ☐

HEXAVALENT CHROMIUM ☐

PECHLORATE ☐

EXPLOSIVES ☐

CHLORIDE ANIONS ☐

ALKALINITY ☐

FIELD NOTES

TOTAL

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP: 8.5

THERM#: NCE

13

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

LABORATORY:

PPBL

NORMAL ☒

1 DAY ☐

2 DAY ☐

OTHER ☐

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL #

HAND DELIVERED ☐

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



Analytical Report Rev. 1

Prepared for:

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Location: New Mexico
Lab Order Number: 3C31003



Current Certification

Report Date: 04/12/23

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW36	3C31003-01	Soil	03/28/23 09:45	03-31-2023 08:43
SW12	3C31003-02	Soil	03/28/23 09:55	03-31-2023 08:43
SW38	3C31003-03	Soil	03/28/23 10:05	03-31-2023 08:43

This revised report reflects the inclusion of the TPH analysis

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

SW36
3C31003-01 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 07:38	EPA 8021B
Toluene	ND	0.00105	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 07:38	EPA 8021B
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 07:38	EPA 8021B
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 07:38	EPA 8021B
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 07:38	EPA 8021B
Surrogate: 4-Bromofluorobenzene	112 %	80-120			P3C3117	03/31/23 16:46	04/02/23 07:38	EPA 8021B
Surrogate: 1,4-Difluorobenzene	93.9 %	80-120			P3C3117	03/31/23 16:46	04/02/23 07:38	EPA 8021B

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3D0406	04/04/23 11:20	04/05/23 21:50	TPH 8015M
>C12-C28	ND	26.3	mg/kg dry	1	P3D0406	04/04/23 11:20	04/05/23 21:50	TPH 8015M
>C28-C35	ND	26.3	mg/kg dry	1	P3D0406	04/04/23 11:20	04/05/23 21:50	TPH 8015M
Surrogate: 1-Chlorooctane	76.2 %	70-130			P3D0406	04/04/23 11:20	04/05/23 21:50	TPH 8015M
Surrogate: o-Terphenyl	58.2 %	70-130			P3D0406	04/04/23 11:20	04/05/23 21:50	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	04/04/23 11:20	04/05/23 21:50	calc

General Chemistry Parameters by EPA / Standard Methods

Chloride	207	5.26	mg/kg dry	5	P3D0502	04/05/23 14:05	04/05/23 23:37	EPA 300.0
% Moisture	5.0	0.1	%	1	P3D0202	04/02/23 21:26	04/03/23 10:01	ASTM D2216

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

SW12
3C31003-02 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 07:59	EPA 8021B
Toluene	ND	0.00114	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 07:59	EPA 8021B
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 07:59	EPA 8021B
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 07:59	EPA 8021B
Xylene (o)	ND	0.00114	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 07:59	EPA 8021B
Surrogate: 1,4-Difluorobenzene	94.0 %	80-120			P3C3117	03/31/23 16:46	04/02/23 07:59	EPA 8021B
Surrogate: 4-Bromofluorobenzene	113 %	80-120			P3C3117	03/31/23 16:46	04/02/23 07:59	EPA 8021B

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P3D0406	04/04/23 11:20	04/05/23 22:15	TPH 8015M
>C12-C28	ND	28.4	mg/kg dry	1	P3D0406	04/04/23 11:20	04/05/23 22:15	TPH 8015M
>C28-C35	ND	28.4	mg/kg dry	1	P3D0406	04/04/23 11:20	04/05/23 22:15	TPH 8015M
Surrogate: 1-Chlorooctane	85.2 %	70-130			P3D0406	04/04/23 11:20	04/05/23 22:15	TPH 8015M
Surrogate: o-Terphenyl	55.6 %	70-130			P3D0406	04/04/23 11:20	04/05/23 22:15	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	04/04/23 11:20	04/05/23 22:15	calc

General Chemistry Parameters by EPA/ Standard Methods

Chloride	41.8	1.14	mg/kg dry	1	P3D0502	04/05/23 14:05	04/06/23 10:34	EPA 300.0
% Moisture	12.0	0.1	%	1	P3D0202	04/02/23 21:26	04/03/23 10:01	ASTM D2216

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

SW38
3C31003-03 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 08:20	EPA 8021B
Toluene	ND	0.00111	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 08:20	EPA 8021B
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 08:20	EPA 8021B
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 08:20	EPA 8021B
Xylene (o)	ND	0.00111	mg/kg dry	1	P3C3117	03/31/23 16:46	04/02/23 08:20	EPA 8021B
Surrogate: 4-Bromofluorobenzene	113 %	80-120			P3C3117	03/31/23 16:46	04/02/23 08:20	EPA 8021B
Surrogate: 1,4-Difluorobenzene	93.3 %	80-120			P3C3117	03/31/23 16:46	04/02/23 08:20	EPA 8021B

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3D0406	04/04/23 11:20	04/05/23 22:41	TPH 8015M
>C12-C28	ND	27.8	mg/kg dry	1	P3D0406	04/04/23 11:20	04/05/23 22:41	TPH 8015M
>C28-C35	ND	27.8	mg/kg dry	1	P3D0406	04/04/23 11:20	04/05/23 22:41	TPH 8015M
Surrogate: 1-Chlorooctane	76.9 %	70-130			P3D0406	04/04/23 11:20	04/05/23 22:41	TPH 8015M
Surrogate: o-Terphenyl	53.1 %	70-130			P3D0406	04/04/23 11:20	04/05/23 22:41	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	04/04/23 11:20	04/05/23 22:41	calc

General Chemistry Parameters by EPA/ Standard Methods

Chloride	142	11.1	mg/kg dry	10	P3D0516	04/05/23 14:51	04/07/23 19:16	EPA 300.0
% Moisture	10.0	0.1	%	1	P3D0202	04/02/23 21:26	04/03/23 10:01	ASTM D2216

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3117 - * DEFAULT PREP *****

Blank (P3C3117-BLK1)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			

LCS (P3C3117-BS1)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.0967	0.00100	"	0.100		96.7	80-120			
Ethylbenzene	0.0988	0.00100	"	0.100		98.8	80-120			
Xylene (p/m)	0.170	0.00200	"	0.200		84.9	80-120			
Xylene (o)	0.0915	0.00100	"	0.100		91.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		112	80-120			

LCS Dup (P3C3117-BSD1)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.0969	0.00100	mg/kg	0.100		96.9	80-120	6.21	20	
Toluene	0.0897	0.00100	"	0.100		89.7	80-120	7.50	20	
Ethylbenzene	0.0915	0.00100	"	0.100		91.5	80-120	7.70	20	
Xylene (p/m)	0.161	0.00200	"	0.200		80.7	80-120	5.14	20	
Xylene (o)	0.0846	0.00100	"	0.100		84.6	80-120	7.88	20	
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		112	80-120			

Calibration Blank (P3C3117-CCB1)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3117 - * DEFAULT PREP *****

Calibration Blank (P3C3117-CCB2)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.110		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.0	80-120			

Calibration Check (P3C3117-CCV1)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.109	0.00100	mg/kg	0.100		109	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0952	0.00100	"	0.100		95.2	80-120			
Xylene (p/m)	0.170	0.00200	"	0.200		85.2	80-120			
Xylene (o)	0.0953	0.00100	"	0.100		95.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		111	75-125			

Calibration Check (P3C3117-CCV2)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.0939	0.00100	mg/kg	0.100		93.9	80-120			
Toluene	0.0851	0.00100	"	0.100		85.1	80-120			
Ethylbenzene	0.0804	0.00100	"	0.100		80.4	80-120			
Xylene (p/m)	0.160	0.00200	"	0.200		80.1	80-120			
Xylene (o)	0.0802	0.00100	"	0.100		80.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.120		113	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	75-125			

Calibration Check (P3C3117-CCV3)

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.0969	0.00100	"	0.100		96.9	80-120			
Ethylbenzene	0.0902	0.00100	"	0.100		90.2	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.2	80-120			
Xylene (o)	0.0911	0.00100	"	0.100		91.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			

Permian Basin Environmental Lab, L.P.

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C3117 - * DEFAULT PREP *****

Matrix Spike (P3C3117-MS1)

Source: 3C30002-01

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.0739	0.00108	mg/kg dry	0.108	ND	68.7	80-120			QM-05
Toluene	0.0599	0.00108	"	0.108	ND	55.7	80-120			QM-05
Ethylbenzene	0.0633	0.00108	"	0.108	ND	58.8	80-120			QM-05
Xylene (p/m)	0.110	0.00215	"	0.215	ND	51.1	80-120			QM-05
Xylene (o)	0.0578	0.00108	"	0.108	ND	53.8	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.148		"	0.129		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.129		95.3	80-120			

Matrix Spike Dup (P3C3117-MSD1)

Source: 3C30002-01

Prepared: 03/31/23 Analyzed: 04/02/23

Benzene	0.0753	0.00108	mg/kg dry	0.108	ND	70.0	80-120	1.82	20	QM-05
Toluene	0.0604	0.00108	"	0.108	ND	56.2	80-120	0.804	20	QM-05
Ethylbenzene	0.0637	0.00108	"	0.108	ND	59.2	80-120	0.661	20	QM-05
Xylene (p/m)	0.110	0.00215	"	0.215	ND	51.3	80-120	0.273	20	QM-05
Xylene (o)	0.0575	0.00108	"	0.108	ND	53.4	80-120	0.653	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.145		"	0.129		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.129		96.2	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D0406 - TX 1005

Blank (P3D0406-BLK1)

Prepared: 04/04/23 Analyzed: 04/05/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	98.0		"	100		98.0	70-130			
Surrogate: o-Terphenyl	56.0		"	50.0		112	70-130			

LCS (P3D0406-BS1)

Prepared: 04/04/23 Analyzed: 04/05/23

C6-C12	775	25.0	mg/kg	1000		77.5	75-125			
>C12-C28	998	25.0	"	1000		99.8	75-125			
Surrogate: 1-Chlorooctane	89.9		"	100		89.9	70-130			
Surrogate: o-Terphenyl	58.7		"	50.0		117	70-130			

LCS Dup (P3D0406-BSD1)

Prepared: 04/04/23 Analyzed: 04/05/23

C6-C12	833	25.0	mg/kg	1000		83.3	75-125	7.24	20	
>C12-C28	1110	25.0	"	1000		111	75-125	11.1	20	
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	54.9		"	50.0		110	70-130			

Calibration Check (P3D0406-CCV1)

Prepared: 04/04/23 Analyzed: 04/05/23

C6-C12	494	25.0	mg/kg	500		98.9	85-115			
>C12-C28	498	25.0	"	500		99.7	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	52.4		"	50.0		105	70-130			

Calibration Check (P3D0406-CCV2)

Prepared: 04/04/23 Analyzed: 04/06/23

C6-C12	529	25.0	mg/kg	500		106	85-115			
>C12-C28	571	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	53.4		"	50.0		107	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D0406 - TX 1005

Calibration Check (P3D0406-CCV3)

Prepared: 04/04/23 Analyzed: 04/06/23

C6-C12	527	25.0	mg/kg	500		105	85-115			
>C12-C28	567	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	54.1		"	50.0		108	70-130			

Duplicate (P3D0406-DUP1)

Source: 3C31001-03

Prepared: 04/04/23 Analyzed: 04/06/23

C6-C12	ND	125	mg/kg dry		ND				20	
>C12-C28	2660	125	"		2950			10.3	20	S-GC
Surrogate: 1-Chlorooctane	87.6		"	100		87.6	70-130			
Surrogate: o-Terphenyl	50.6		"	50.0		101	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D0202 - * DEFAULT PREP *****

Blank (P3D0202-BLK1)

Prepared: 04/02/23 Analyzed: 04/03/23

% Moisture	ND	0.1	%							
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Duplicate (P3D0202-DUP1)

Source: 3C30011-02

Prepared: 04/02/23 Analyzed: 04/03/23

% Moisture	12.0	0.1	%		13.0			8.00	20	
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Duplicate (P3D0202-DUP2)

Source: 3C30014-01

Prepared: 04/02/23 Analyzed: 04/03/23

% Moisture	9.0	0.1	%		9.0			0.00	20	
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Duplicate (P3D0202-DUP3)

Source: 3C30014-16

Prepared: 04/02/23 Analyzed: 04/03/23

% Moisture	13.0	0.1	%		14.0			7.41	20	
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Duplicate (P3D0202-DUP4)

Source: 3C31004-01

Prepared: 04/02/23 Analyzed: 04/03/23

% Moisture	1.0	0.1	%		1.0			0.00	20	
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Duplicate (P3D0202-DUP5)

Source: 3C31004-16

Prepared: 04/02/23 Analyzed: 04/03/23

% Moisture	5.0	0.1	%		5.0			0.00	20	
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Batch P3D0502 - * DEFAULT PREP *****

Blank (P3D0502-BLK1)

Prepared & Analyzed: 04/05/23

Chloride	ND	1.00	mg/kg							
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LCS (P3D0502-BS1)

Prepared & Analyzed: 04/05/23

Chloride	21.6		mg/kg	20.0	108	90-110				
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LCS Dup (P3D0502-BSD1)

Prepared & Analyzed: 04/05/23

Chloride	21.0		mg/kg	20.0	105	90-110	2.77	10		
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Permian Basin Environmental Lab, L.P.

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

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D0502 - * DEFAULT PREP *****

Calibration Check (P3D0502-CCV1) Prepared & Analyzed: 04/05/23

Chloride	21.4		mg/kg	20.0		107	90-110			
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Calibration Check (P3D0502-CCV2) Prepared & Analyzed: 04/05/23

Chloride	21.8		mg/kg	20.0		109	90-110			
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Matrix Spike (P3D0502-MS1) Source: 3C30014-01 Prepared & Analyzed: 04/05/23

Chloride	597		mg/kg	500	41.9	111	80-120			
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Matrix Spike (P3D0502-MS2) Source: 3C30007-17 Prepared & Analyzed: 04/05/23

Chloride	1570		mg/kg	1000	408	116	80-120			
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Matrix Spike Dup (P3D0502-MSD1) Source: 3C30014-01 Prepared & Analyzed: 04/05/23

Chloride	599		mg/kg	500	41.9	111	80-120	0.279	20	
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Matrix Spike Dup (P3D0502-MSD2) Source: 3C30007-17 Prepared & Analyzed: 04/05/23

Chloride	1550		mg/kg	1000	408	114	80-120	1.53	20	
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Batch P3D0516 - * DEFAULT PREP *****

Blank (P3D0516-BLK1) Prepared: 04/05/23 Analyzed: 04/07/23

Chloride	ND	1.00	mg/kg							
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LCS (P3D0516-BS1) Prepared: 04/05/23 Analyzed: 04/07/23

Chloride	21.3		mg/kg	20.0		106	90-110			
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LCS Dup (P3D0516-BSD1) Prepared: 04/05/23 Analyzed: 04/07/23

Chloride	21.1		mg/kg	20.0		105	90-110	0.986	10	
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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3D0516 - * DEFAULT PREP *****

Calibration Check (P3D0516-CCV1)

Prepared: 04/05/23 Analyzed: 04/07/23

Chloride	20.8		mg/kg	20.0		104	90-110			
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Calibration Check (P3D0516-CCV2)

Prepared: 04/05/23 Analyzed: 04/07/23

Chloride	21.4		mg/kg	20.0		107	90-110			
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Matrix Spike (P3D0516-MS1)

Source: 3C31003-03

Prepared: 04/05/23 Analyzed: 04/07/23

Chloride	12600	1.11	mg/kg dry	11100	142	112	80-120			
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Matrix Spike (P3D0516-MS2)

Source: 3C31004-12

Prepared: 04/05/23 Analyzed: 04/07/23

Chloride	9140	1.02	mg/kg dry	5100	3520	110	80-120			
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Matrix Spike Dup (P3D0516-MSD1)

Source: 3C31003-03

Prepared: 04/05/23 Analyzed: 04/07/23

Chloride	12700	1.11	mg/kg dry	11100	142	113	80-120	0.636	20	
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Matrix Spike Dup (P3D0516-MSD2)

Source: 3C31004-12

Prepared: 04/05/23 Analyzed: 04/07/23

Chloride	9180	1.02	mg/kg dry	5100	3520	111	80-120	0.466	20	
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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Hayhurst Pond 2
Project Number: 22-0107-01
Project Manager: Mark Larson

Notes and Definitions

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

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

4/12/2023

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.

Project: Hayhurst Pond 2

P.O. Box 50685

Project Number: 22-0107-01

Midland TX, 79710

Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

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[illegible]



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

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JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0107-01

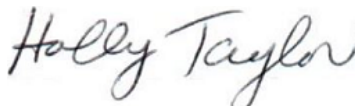
JOB NUMBER

890-4174-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**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: Hayhurst Pond 2

Laboratory Job ID: 890-4174-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.
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: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Job ID: 890-4174-1**Laboratory: Eurofins Carlsbad****Narrative****Job Narrative
890-4174-1****Receipt**

The samples were received on 2/22/2023 2:48 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 5.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C231 (890-4174-1), C233 (890-4174-2), C225 (890-4174-3), SW12 (890-4174-4), SW15 (890-4174-5), SW34 (890-4174-6), SW6 (890-4174-7), SW17 (890-4174-8), C249 (890-4174-9), C250 (890-4174-10), C251 (890-4174-11), SW21 (890-4174-12), C245 (890-4174-13), C248 (890-4174-14), C255 (890-4174-15) and C256 (890-4174-16).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47631 and analytical batch 880-48071 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C231 (890-4174-1), SW15 (890-4174-5), SW17 (890-4174-8), C250 (890-4174-10), C251 (890-4174-11), SW21 (890-4174-12) and C245 (890-4174-13). 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47298 and analytical batch 880-47263 was outside the upper control limits.

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

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: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C231

Lab Sample ID: 890-4174-1

Date Collected: 02/21/23 09:30

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1 F2	0.00201	mg/Kg		03/02/23 11:25	03/07/23 19:53	1
Toluene	<0.00201	U F1 F2	0.00201	mg/Kg		03/02/23 11:25	03/07/23 19:53	1
Ethylbenzene	<0.00201	U F1 F2	0.00201	mg/Kg		03/02/23 11:25	03/07/23 19:53	1
m,p-Xylenes	<0.00402	U F1 F2	0.00402	mg/Kg		03/02/23 11:25	03/07/23 19:53	1
o-Xylene	<0.00201	U F1 F2	0.00201	mg/Kg		03/02/23 11:25	03/07/23 19:53	1
Xylenes, Total	<0.00402	U F1 F2	0.00402	mg/Kg		03/02/23 11:25	03/07/23 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	03/02/23 11:25	03/07/23 19:53	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	03/02/23 11:25	03/07/23 19:53	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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 21:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 21:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	02/27/23 10:15	02/27/23 21:05	1
o-Terphenyl (Surr)	104		70 - 130	02/27/23 10:15	02/27/23 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.8		5.05	mg/Kg			02/28/23 08:15	1

Client Sample ID: C233

Lab Sample ID: 890-4174-2

Date Collected: 02/21/23 09:31

Matrix: Solid

Date Received: 02/22/23 14:48

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		03/02/23 11:25	03/07/23 20:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/07/23 20:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/07/23 20:54	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		03/02/23 11:25	03/07/23 20:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/07/23 20:54	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/23 11:25	03/07/23 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	03/02/23 11:25	03/07/23 20:54	1
1,4-Difluorobenzene (Surr)	76		70 - 130	03/02/23 11:25	03/07/23 20:54	1

Eurofins Carlsbad

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C233

Lab Sample ID: 890-4174-2

Date Collected: 02/21/23 09:31

Matrix: Solid

Date Received: 02/22/23 14:48

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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/27/23 22:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/27/23 22:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/27/23 22:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			02/27/23 10:15	02/27/23 22:11	1
o-Terphenyl (Surr)	107		70 - 130			02/27/23 10:15	02/27/23 22:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		5.00	mg/Kg			02/28/23 08:29	1

Client Sample ID: C225

Lab Sample ID: 890-4174-3

Date Collected: 02/21/23 09:32

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/07/23 21:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/07/23 21:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			03/02/23 11:25	03/07/23 21:15	1
1,4-Difluorobenzene (Surr)	79		70 - 130			03/02/23 11:25	03/07/23 21:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 22:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 22:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C225

Lab Sample ID: 890-4174-3

Date Collected: 02/21/23 09:32

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			02/27/23 10:15	02/27/23 22:33	1
o-Terphenyl (Surr)	106		70 - 130			02/27/23 10:15	02/27/23 22:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		4.99	mg/Kg			02/28/23 08:33	1

Client Sample ID: SW12

Lab Sample ID: 890-4174-4

Date Collected: 02/21/23 14:00

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/07/23 21:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/07/23 21:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			03/02/23 11:25	03/07/23 21:35	1
1,4-Difluorobenzene (Surr)	78		70 - 130			03/02/23 11:25	03/07/23 21:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 22:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 22:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 22:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			02/27/23 10:15	02/27/23 22:55	1
o-Terphenyl (Surr)	107		70 - 130			02/27/23 10:15	02/27/23 22:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	271		4.95	mg/Kg			02/28/23 08:38	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: SW15

Lab Sample ID: 890-4174-5

Date Collected: 02/21/23 14:01

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:55	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/07/23 21:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 21:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/07/23 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	03/02/23 11:25	03/07/23 21:55	1
1,4-Difluorobenzene (Surr)	48	S1-	70 - 130	03/02/23 11:25	03/07/23 21:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 23:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 23:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/27/23 23:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	02/27/23 10:15	02/27/23 23:17	1
o-Terphenyl (Surr)	109		70 - 130	02/27/23 10:15	02/27/23 23:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		4.97	mg/Kg			02/28/23 08:43	1

Client Sample ID: SW34

Lab Sample ID: 890-4174-6

Date Collected: 02/21/23 14:02

Matrix: Solid

Date Received: 02/22/23 14:48

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		03/02/23 11:25	03/07/23 22:16	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/02/23 11:25	03/07/23 22:16	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/02/23 11:25	03/07/23 22:16	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		03/02/23 11:25	03/07/23 22:16	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/02/23 11:25	03/07/23 22:16	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/02/23 11:25	03/07/23 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/02/23 11:25	03/07/23 22:16	1
1,4-Difluorobenzene (Surr)	72		70 - 130	03/02/23 11:25	03/07/23 22:16	1

Eurofins Carlsbad

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: SW34

Lab Sample ID: 890-4174-6

Date Collected: 02/21/23 14:02

Matrix: Solid

Date Received: 02/22/23 14:48

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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/27/23 23:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/27/23 23:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/27/23 23:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			02/27/23 10:15	02/27/23 23:39	1
o-Terphenyl (Surr)	108		70 - 130			02/27/23 10:15	02/27/23 23:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.65		5.05	mg/Kg			02/28/23 11:16	1

Client Sample ID: SW6

Lab Sample ID: 890-4174-7

Date Collected: 02/21/23 09:00

Matrix: Solid

Date Received: 02/22/23 14:48

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		03/02/23 11:25	03/07/23 22:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/07/23 22:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/07/23 22:36	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		03/02/23 11:25	03/07/23 22:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/07/23 22:36	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/23 11:25	03/07/23 22:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			03/02/23 11:25	03/07/23 22:36	1
1,4-Difluorobenzene (Surr)	81		70 - 130			03/02/23 11:25	03/07/23 22:36	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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 00:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 00:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: SW6

Lab Sample ID: 890-4174-7

Date Collected: 02/21/23 09:00

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			02/27/23 10:15	02/28/23 00:01	1
o-Terphenyl (Surr)	111		70 - 130			02/27/23 10:15	02/28/23 00:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2380		49.7	mg/Kg			02/28/23 11:21	10

Client Sample ID: SW17

Lab Sample ID: 890-4174-8

Date Collected: 02/21/23 14:03

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 22:57	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 22:57	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 22:57	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/07/23 22:57	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/07/23 22:57	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/07/23 22:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			03/02/23 11:25	03/07/23 22:57	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130			03/02/23 11:25	03/07/23 22:57	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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 00:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 00:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 00:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			02/27/23 10:15	02/28/23 00:22	1
o-Terphenyl (Surr)	120		70 - 130			02/27/23 10:15	02/28/23 00:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7150		100	mg/Kg			02/28/23 11:25	20

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C249

Lab Sample ID: 890-4174-9

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 00:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 00:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 00:19	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/08/23 00:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 00:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/08/23 00:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/02/23 11:25	03/08/23 00:19	1
1,4-Difluorobenzene (Surr)	74		70 - 130	03/02/23 11:25	03/08/23 00:19	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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 00:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 00:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	02/27/23 10:15	02/28/23 00:43	1
o-Terphenyl (Surr)	108		70 - 130	02/27/23 10:15	02/28/23 00:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		4.95	mg/Kg			02/28/23 11:30	1

Client Sample ID: C250

Lab Sample ID: 890-4174-10

Date Collected: 02/22/23 08:01

Matrix: Solid

Date Received: 02/22/23 14:48

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		03/02/23 11:25	03/08/23 00:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 00:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 00:39	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		03/02/23 11:25	03/08/23 00:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 00:39	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/02/23 11:25	03/08/23 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	03/02/23 11:25	03/08/23 00:39	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130	03/02/23 11:25	03/08/23 00:39	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C250

Lab Sample ID: 890-4174-10

Date Collected: 02/22/23 08:01

Matrix: Solid

Date Received: 02/22/23 14:48

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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 01:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 01:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 01:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			02/27/23 10:15	02/28/23 01:05	1
o-Terphenyl (Surr)	105		70 - 130			02/27/23 10:15	02/28/23 01:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.2		4.96	mg/Kg			02/28/23 11:35	1

Client Sample ID: C251

Lab Sample ID: 890-4174-11

Date Collected: 02/22/23 08:02

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/02/23 11:25	03/08/23 01:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/02/23 11:25	03/08/23 01:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/02/23 11:25	03/08/23 01:00	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		03/02/23 11:25	03/08/23 01:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/02/23 11:25	03/08/23 01:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/02/23 11:25	03/08/23 01:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			03/02/23 11:25	03/08/23 01:00	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130			03/02/23 11:25	03/08/23 01:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 01:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 01:47	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C251

Lab Sample ID: 890-4174-11

Date Collected: 02/22/23 08:02

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 01:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			02/27/23 10:15	02/28/23 01:47	1
o-Terphenyl (Surr)	106		70 - 130			02/27/23 10:15	02/28/23 01:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.98	mg/Kg			02/28/23 11:39	1

Client Sample ID: SW21

Lab Sample ID: 890-4174-12

Date Collected: 02/22/23 08:03

Matrix: Solid

Date Received: 02/22/23 14:48

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		03/02/23 11:25	03/08/23 01:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 01:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 01:20	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		03/02/23 11:25	03/08/23 01:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 01:20	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/23 11:25	03/08/23 01:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130			03/02/23 11:25	03/08/23 01:20	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130			03/02/23 11:25	03/08/23 01:20	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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 02:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 02:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 02:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			02/27/23 10:15	02/28/23 02:08	1
o-Terphenyl (Surr)	112		70 - 130			02/27/23 10:15	02/28/23 02:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.1		5.00	mg/Kg			02/28/23 11:53	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C245

Lab Sample ID: 890-4174-13

Date Collected: 02/22/23 10:00

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 01:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 01:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 01:41	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/08/23 01:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 01:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/08/23 01:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	03/02/23 11:25	03/08/23 01:41	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130	03/02/23 11:25	03/08/23 01:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 02:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 02:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	02/27/23 10:15	02/28/23 02:29	1
o-Terphenyl (Surr)	107		70 - 130	02/27/23 10:15	02/28/23 02:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		4.97	mg/Kg			02/28/23 11:58	1

Client Sample ID: C248

Lab Sample ID: 890-4174-14

Date Collected: 02/22/23 10:30

Matrix: Solid

Date Received: 02/22/23 14:48

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		03/02/23 11:25	03/08/23 02:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 02:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 02:01	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		03/02/23 11:25	03/08/23 02:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 02:01	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/23 11:25	03/08/23 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	03/02/23 11:25	03/08/23 02:01	1
1,4-Difluorobenzene (Surr)	72		70 - 130	03/02/23 11:25	03/08/23 02:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C248

Lab Sample ID: 890-4174-14

Date Collected: 02/22/23 10:30

Matrix: Solid

Date Received: 02/22/23 14:48

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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 02:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 02:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 02:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			02/27/23 10:15	02/28/23 02:50	1
o-Terphenyl (Surr)	108		70 - 130			02/27/23 10:15	02/28/23 02:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.1		5.04	mg/Kg			02/28/23 12:40	1

Client Sample ID: C255

Lab Sample ID: 890-4174-15

Date Collected: 02/22/23 12:00

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 02:21	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 02:21	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 02:21	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/08/23 02:21	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/23 11:25	03/08/23 02:21	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/23 11:25	03/08/23 02:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			03/02/23 11:25	03/08/23 02:21	1
1,4-Difluorobenzene (Surr)	74		70 - 130			03/02/23 11:25	03/08/23 02:21	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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 03:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 03:11	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C255

Lab Sample ID: 890-4174-15

Date Collected: 02/22/23 12:00

Matrix: Solid

Date Received: 02/22/23 14:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/28/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			02/27/23 10:15	02/28/23 03:11	1
o-Terphenyl (Surr)	102		70 - 130			02/27/23 10:15	02/28/23 03:11	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			02/28/23 12:45	1

Client Sample ID: C256

Lab Sample ID: 890-4174-16

Date Collected: 02/22/23 12:01

Matrix: Solid

Date Received: 02/22/23 14:48

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		03/02/23 11:25	03/08/23 02:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 02:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 02:42	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		03/02/23 11:25	03/08/23 02:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/08/23 02:42	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/23 11:25	03/08/23 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			03/02/23 11:25	03/08/23 02:42	1
1,4-Difluorobenzene (Surr)	86		70 - 130			03/02/23 11:25	03/08/23 02:42	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			03/08/23 14:29	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			02/28/23 11:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 03:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 03:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 10:15	02/28/23 03:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			02/27/23 10:15	02/28/23 03:33	1
o-Terphenyl (Surr)	104		70 - 130			02/27/23 10:15	02/28/23 03:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		4.95	mg/Kg			02/28/23 12:50	1

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

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)
890-4174-1	C231	87	67 S1-
890-4174-1 MS	C231	245 S1+	260 S1+
890-4174-1 MSD	C231	77	80
890-4174-2	C233	89	76
890-4174-3	C225	92	79
890-4174-4	SW12	92	78
890-4174-5	SW15	96	48 S1-
890-4174-6	SW34	109	72
890-4174-7	SW6	94	81
890-4174-8	SW17	82	65 S1-
890-4174-9	C249	112	74
890-4174-10	C250	91	62 S1-
890-4174-11	C251	94	60 S1-
890-4174-12	SW21	79	64 S1-
890-4174-13	C245	73	61 S1-
890-4174-14	C248	92	72
890-4174-15	C255	110	74
890-4174-16	C256	131 S1+	86
LCS 880-47631/1-A	Lab Control Sample	95	115
LCSD 880-47631/2-A	Lab Control Sample Dup	89	111
MB 880-47631/5-A	Method Blank	101	77
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-4174-1	C231	91	104
890-4174-1 MS	C231	90	94
890-4174-1 MSD	C231	90	94
890-4174-2	C233	89	107
890-4174-3	C225	90	106
890-4174-4	SW12	92	107
890-4174-5	SW15	94	109
890-4174-6	SW34	102	108
890-4174-7	SW6	97	111
890-4174-8	SW17	108	120
890-4174-9	C249	93	108
890-4174-10	C250	92	105
890-4174-11	C251	92	106
890-4174-12	SW21	104	112
890-4174-13	C245	100	107
890-4174-14	C248	99	108
890-4174-15	C255	87	102
890-4174-16	C256	101	104

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

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 880-47298/2-A	Lab Control Sample	79	94
LCSD 880-47298/3-A	Lab Control Sample Dup	78	96
MB 880-47298/1-A	Method Blank	145 S1+	166 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-47631/5-A

Matrix: Solid

Analysis Batch: 48071

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47631

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/07/23 19:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/07/23 19:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/07/23 19:31	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/02/23 11:25	03/07/23 19:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/23 11:25	03/07/23 19:31	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/02/23 11:25	03/07/23 19:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/02/23 11:25	03/07/23 19:31	1
1,4-Difluorobenzene (Surr)	77		70 - 130	03/02/23 11:25	03/07/23 19:31	1

Lab Sample ID: LCS 880-47631/1-A

Matrix: Solid

Analysis Batch: 48071

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47631

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09587		mg/Kg		96	70 - 130
Toluene	0.100	0.08795		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09406		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.1944		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09469		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-47631/2-A

Matrix: Solid

Analysis Batch: 48071

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47631

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09663		mg/Kg		97	70 - 130	1	35
Toluene	0.100	0.08694		mg/Kg		87	70 - 130	1	35
Ethylbenzene	0.100	0.09087		mg/Kg		91	70 - 130	3	35
m,p-Xylenes	0.200	0.1854		mg/Kg		93	70 - 130	5	35
o-Xylene	0.100	0.09006		mg/Kg		90	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 890-4174-1 MS

Matrix: Solid

Analysis Batch: 48071

Client Sample ID: C231

Prep Type: Total/NA

Prep Batch: 47631

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1 F2	0.100	0.2264	F1	mg/Kg		226	70 - 130
Toluene	<0.00201	U F1 F2	0.100	0.1948	F1	mg/Kg		194	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

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

Lab Sample ID: 890-4174-1 MS

Matrix: Solid

Analysis Batch: 48071

Client Sample ID: C231

Prep Type: Total/NA

Prep Batch: 47631

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1 F2	0.100	0.2294	F1	mg/Kg		229	70 - 130
m,p-Xylenes	<0.00402	U F1 F2	0.200	0.4725	F1	mg/Kg		236	70 - 130
o-Xylene	<0.00201	U F1 F2	0.100	0.2322	F1	mg/Kg		232	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	245	S1+	70 - 130
1,4-Difluorobenzene (Surr)	260	S1+	70 - 130

Lab Sample ID: 890-4174-1 MSD

Matrix: Solid

Analysis Batch: 48071

Client Sample ID: C231

Prep Type: Total/NA

Prep Batch: 47631

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1 F2	0.0990	0.05212	F1 F2	mg/Kg		53	70 - 130	125	35
Toluene	<0.00201	U F1 F2	0.0990	0.06154	F1 F2	mg/Kg		62	70 - 130	104	35
Ethylbenzene	<0.00201	U F1 F2	0.0990	0.07111	F2	mg/Kg		72	70 - 130	105	35
m,p-Xylenes	<0.00402	U F1 F2	0.198	0.1357	F1 F2	mg/Kg		69	70 - 130	111	35
o-Xylene	<0.00201	U F1 F2	0.0990	0.06608	F1 F2	mg/Kg		67	70 - 130	111	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	77		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

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

Lab Sample ID: MB 880-47298/1-A

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47298

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		02/27/23 10:15	02/27/23 20:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/27/23 20:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/27/23 10:15	02/27/23 20:00	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	145	S1+	70 - 130	02/27/23 10:15	02/27/23 20:00	1
o-Terphenyl (Surr)	166	S1+	70 - 130	02/27/23 10:15	02/27/23 20:00	1

Lab Sample ID: LCS 880-47298/2-A

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	862.0		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	942.0		mg/Kg		94	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

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

Lab Sample ID: LCS 880-47298/2-A

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47298

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	79		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-47298/3-A

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47298

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	886.3		mg/Kg		89	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1022		mg/Kg		102	70 - 130	8	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	78		70 - 130
o-Terphenyl (Surr)	96		70 - 130

Lab Sample ID: 890-4174-1 MS

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: C231

Prep Type: Total/NA

Prep Batch: 47298

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	842.5		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	968.5		mg/Kg		95	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Lab Sample ID: 890-4174-1 MSD

Matrix: Solid

Analysis Batch: 47263

Client Sample ID: C231

Prep Type: Total/NA

Prep Batch: 47298

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	881.4		mg/Kg		86	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	966.4		mg/Kg		95	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	94		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47345/1-A

Matrix: Solid

Analysis Batch: 47420

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			02/28/23 08:00	1

Lab Sample ID: LCS 880-47345/2-A

Matrix: Solid

Analysis Batch: 47420

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.1		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-47345/3-A

Matrix: Solid

Analysis Batch: 47420

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	236.1		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-4174-1 MS

Matrix: Solid

Analysis Batch: 47420

Client Sample ID: C231

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	33.8		253	277.8		mg/Kg		97	90 - 110

Lab Sample ID: 890-4174-1 MSD

Matrix: Solid

Analysis Batch: 47420

Client Sample ID: C231

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	33.8		253	277.9		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-4174-11 MS

Matrix: Solid

Analysis Batch: 47420

Client Sample ID: C251

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.5		249	251.5		mg/Kg		97	90 - 110

Lab Sample ID: 890-4174-11 MSD

Matrix: Solid

Analysis Batch: 47420

Client Sample ID: C251

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.5		249	251.6		mg/Kg		97	90 - 110	0	20

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

GC VOA

Prep Batch: 47631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-1	C231	Total/NA	Solid	5035	
890-4174-2	C233	Total/NA	Solid	5035	
890-4174-3	C225	Total/NA	Solid	5035	
890-4174-4	SW12	Total/NA	Solid	5035	
890-4174-5	SW15	Total/NA	Solid	5035	
890-4174-6	SW34	Total/NA	Solid	5035	
890-4174-7	SW6	Total/NA	Solid	5035	
890-4174-8	SW17	Total/NA	Solid	5035	
890-4174-9	C249	Total/NA	Solid	5035	
890-4174-10	C250	Total/NA	Solid	5035	
890-4174-11	C251	Total/NA	Solid	5035	
890-4174-12	SW21	Total/NA	Solid	5035	
890-4174-13	C245	Total/NA	Solid	5035	
890-4174-14	C248	Total/NA	Solid	5035	
890-4174-15	C255	Total/NA	Solid	5035	
890-4174-16	C256	Total/NA	Solid	5035	
MB 880-47631/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47631/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47631/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4174-1 MS	C231	Total/NA	Solid	5035	
890-4174-1 MSD	C231	Total/NA	Solid	5035	

Analysis Batch: 48071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-1	C231	Total/NA	Solid	8021B	47631
890-4174-2	C233	Total/NA	Solid	8021B	47631
890-4174-3	C225	Total/NA	Solid	8021B	47631
890-4174-4	SW12	Total/NA	Solid	8021B	47631
890-4174-5	SW15	Total/NA	Solid	8021B	47631
890-4174-6	SW34	Total/NA	Solid	8021B	47631
890-4174-7	SW6	Total/NA	Solid	8021B	47631
890-4174-8	SW17	Total/NA	Solid	8021B	47631
890-4174-9	C249	Total/NA	Solid	8021B	47631
890-4174-10	C250	Total/NA	Solid	8021B	47631
890-4174-11	C251	Total/NA	Solid	8021B	47631
890-4174-12	SW21	Total/NA	Solid	8021B	47631
890-4174-13	C245	Total/NA	Solid	8021B	47631
890-4174-14	C248	Total/NA	Solid	8021B	47631
890-4174-15	C255	Total/NA	Solid	8021B	47631
890-4174-16	C256	Total/NA	Solid	8021B	47631
MB 880-47631/5-A	Method Blank	Total/NA	Solid	8021B	47631
LCS 880-47631/1-A	Lab Control Sample	Total/NA	Solid	8021B	47631
LCSD 880-47631/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47631
890-4174-1 MS	C231	Total/NA	Solid	8021B	47631
890-4174-1 MSD	C231	Total/NA	Solid	8021B	47631

Analysis Batch: 48133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-1	C231	Total/NA	Solid	Total BTEX	
890-4174-2	C233	Total/NA	Solid	Total BTEX	
890-4174-3	C225	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 48133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-4	SW12	Total/NA	Solid	Total BTEX	
890-4174-5	SW15	Total/NA	Solid	Total BTEX	
890-4174-6	SW34	Total/NA	Solid	Total BTEX	
890-4174-7	SW6	Total/NA	Solid	Total BTEX	
890-4174-8	SW17	Total/NA	Solid	Total BTEX	
890-4174-9	C249	Total/NA	Solid	Total BTEX	
890-4174-10	C250	Total/NA	Solid	Total BTEX	
890-4174-11	C251	Total/NA	Solid	Total BTEX	
890-4174-12	SW21	Total/NA	Solid	Total BTEX	
890-4174-13	C245	Total/NA	Solid	Total BTEX	
890-4174-14	C248	Total/NA	Solid	Total BTEX	
890-4174-15	C255	Total/NA	Solid	Total BTEX	
890-4174-16	C256	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 47263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-1	C231	Total/NA	Solid	8015B NM	47298
890-4174-2	C233	Total/NA	Solid	8015B NM	47298
890-4174-3	C225	Total/NA	Solid	8015B NM	47298
890-4174-4	SW12	Total/NA	Solid	8015B NM	47298
890-4174-5	SW15	Total/NA	Solid	8015B NM	47298
890-4174-6	SW34	Total/NA	Solid	8015B NM	47298
890-4174-7	SW6	Total/NA	Solid	8015B NM	47298
890-4174-8	SW17	Total/NA	Solid	8015B NM	47298
890-4174-9	C249	Total/NA	Solid	8015B NM	47298
890-4174-10	C250	Total/NA	Solid	8015B NM	47298
890-4174-11	C251	Total/NA	Solid	8015B NM	47298
890-4174-12	SW21	Total/NA	Solid	8015B NM	47298
890-4174-13	C245	Total/NA	Solid	8015B NM	47298
890-4174-14	C248	Total/NA	Solid	8015B NM	47298
890-4174-15	C255	Total/NA	Solid	8015B NM	47298
890-4174-16	C256	Total/NA	Solid	8015B NM	47298
MB 880-47298/1-A	Method Blank	Total/NA	Solid	8015B NM	47298
LCS 880-47298/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47298
LCSD 880-47298/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47298
890-4174-1 MS	C231	Total/NA	Solid	8015B NM	47298
890-4174-1 MSD	C231	Total/NA	Solid	8015B NM	47298

Prep Batch: 47298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-1	C231	Total/NA	Solid	8015NM Prep	
890-4174-2	C233	Total/NA	Solid	8015NM Prep	
890-4174-3	C225	Total/NA	Solid	8015NM Prep	
890-4174-4	SW12	Total/NA	Solid	8015NM Prep	
890-4174-5	SW15	Total/NA	Solid	8015NM Prep	
890-4174-6	SW34	Total/NA	Solid	8015NM Prep	
890-4174-7	SW6	Total/NA	Solid	8015NM Prep	
890-4174-8	SW17	Total/NA	Solid	8015NM Prep	
890-4174-9	C249	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Prep Batch: 47298 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-10	C250	Total/NA	Solid	8015NM Prep	
890-4174-11	C251	Total/NA	Solid	8015NM Prep	
890-4174-12	SW21	Total/NA	Solid	8015NM Prep	
890-4174-13	C245	Total/NA	Solid	8015NM Prep	
890-4174-14	C248	Total/NA	Solid	8015NM Prep	
890-4174-15	C255	Total/NA	Solid	8015NM Prep	
890-4174-16	C256	Total/NA	Solid	8015NM Prep	
MB 880-47298/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47298/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47298/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4174-1 MS	C231	Total/NA	Solid	8015NM Prep	
890-4174-1 MSD	C231	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-1	C231	Total/NA	Solid	8015 NM	
890-4174-2	C233	Total/NA	Solid	8015 NM	
890-4174-3	C225	Total/NA	Solid	8015 NM	
890-4174-4	SW12	Total/NA	Solid	8015 NM	
890-4174-5	SW15	Total/NA	Solid	8015 NM	
890-4174-6	SW34	Total/NA	Solid	8015 NM	
890-4174-7	SW6	Total/NA	Solid	8015 NM	
890-4174-8	SW17	Total/NA	Solid	8015 NM	
890-4174-9	C249	Total/NA	Solid	8015 NM	
890-4174-10	C250	Total/NA	Solid	8015 NM	
890-4174-11	C251	Total/NA	Solid	8015 NM	
890-4174-12	SW21	Total/NA	Solid	8015 NM	
890-4174-13	C245	Total/NA	Solid	8015 NM	
890-4174-14	C248	Total/NA	Solid	8015 NM	
890-4174-15	C255	Total/NA	Solid	8015 NM	
890-4174-16	C256	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-1	C231	Soluble	Solid	DI Leach	
890-4174-2	C233	Soluble	Solid	DI Leach	
890-4174-3	C225	Soluble	Solid	DI Leach	
890-4174-4	SW12	Soluble	Solid	DI Leach	
890-4174-5	SW15	Soluble	Solid	DI Leach	
890-4174-6	SW34	Soluble	Solid	DI Leach	
890-4174-7	SW6	Soluble	Solid	DI Leach	
890-4174-8	SW17	Soluble	Solid	DI Leach	
890-4174-9	C249	Soluble	Solid	DI Leach	
890-4174-10	C250	Soluble	Solid	DI Leach	
890-4174-11	C251	Soluble	Solid	DI Leach	
890-4174-12	SW21	Soluble	Solid	DI Leach	
890-4174-13	C245	Soluble	Solid	DI Leach	
890-4174-14	C248	Soluble	Solid	DI Leach	
890-4174-15	C255	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

HPLC/IC (Continued)

Leach Batch: 47345 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-16	C256	Soluble	Solid	DI Leach	
MB 880-47345/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47345/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47345/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4174-1 MS	C231	Soluble	Solid	DI Leach	
890-4174-1 MSD	C231	Soluble	Solid	DI Leach	
890-4174-11 MS	C251	Soluble	Solid	DI Leach	
890-4174-11 MSD	C251	Soluble	Solid	DI Leach	

Analysis Batch: 47420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4174-1	C231	Soluble	Solid	300.0	47345
890-4174-2	C233	Soluble	Solid	300.0	47345
890-4174-3	C225	Soluble	Solid	300.0	47345
890-4174-4	SW12	Soluble	Solid	300.0	47345
890-4174-5	SW15	Soluble	Solid	300.0	47345
890-4174-6	SW34	Soluble	Solid	300.0	47345
890-4174-7	SW6	Soluble	Solid	300.0	47345
890-4174-8	SW17	Soluble	Solid	300.0	47345
890-4174-9	C249	Soluble	Solid	300.0	47345
890-4174-10	C250	Soluble	Solid	300.0	47345
890-4174-11	C251	Soluble	Solid	300.0	47345
890-4174-12	SW21	Soluble	Solid	300.0	47345
890-4174-13	C245	Soluble	Solid	300.0	47345
890-4174-14	C248	Soluble	Solid	300.0	47345
890-4174-15	C255	Soluble	Solid	300.0	47345
890-4174-16	C256	Soluble	Solid	300.0	47345
MB 880-47345/1-A	Method Blank	Soluble	Solid	300.0	47345
LCS 880-47345/2-A	Lab Control Sample	Soluble	Solid	300.0	47345
LCSD 880-47345/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47345
890-4174-1 MS	C231	Soluble	Solid	300.0	47345
890-4174-1 MSD	C231	Soluble	Solid	300.0	47345
890-4174-11 MS	C251	Soluble	Solid	300.0	47345
890-4174-11 MSD	C251	Soluble	Solid	300.0	47345

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C231

Lab Sample ID: 890-4174-1

Date Collected: 02/21/23 09:30

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/07/23 19:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 21:05	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 08:15	CH	EET MID

Client Sample ID: C233

Lab Sample ID: 890-4174-2

Date Collected: 02/21/23 09:31

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/07/23 20:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 22:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 08:29	CH	EET MID

Client Sample ID: C225

Lab Sample ID: 890-4174-3

Date Collected: 02/21/23 09:32

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/07/23 21:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 22:33	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 08:33	CH	EET MID

Client Sample ID: SW12

Lab Sample ID: 890-4174-4

Date Collected: 02/21/23 14:00

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/07/23 21:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: SW12

Lab Sample ID: 890-4174-4

Date Collected: 02/21/23 14:00

Matrix: Solid

Date Received: 02/22/23 14:48

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			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 22:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 08:38	CH	EET MID

Client Sample ID: SW15

Lab Sample ID: 890-4174-5

Date Collected: 02/21/23 14:01

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/07/23 21:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 08:43	CH	EET MID

Client Sample ID: SW34

Lab Sample ID: 890-4174-6

Date Collected: 02/21/23 14:02

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/07/23 22:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/27/23 23:39	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 11:16	CH	EET MID

Client Sample ID: SW6

Lab Sample ID: 890-4174-7

Date Collected: 02/21/23 09:00

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/07/23 22:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/28/23 00:01	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: SW6

Lab Sample ID: 890-4174-7

Date Collected: 02/21/23 09:00

Matrix: Solid

Date Received: 02/22/23 14:48

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	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		10			47420	02/28/23 11:21	CH	EET MID

Client Sample ID: SW17

Lab Sample ID: 890-4174-8

Date Collected: 02/21/23 14:03

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/07/23 22:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/28/23 00:22	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		20			47420	02/28/23 11:25	CH	EET MID

Client Sample ID: C249

Lab Sample ID: 890-4174-9

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/08/23 00:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/28/23 00:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 11:30	CH	EET MID

Client Sample ID: C250

Lab Sample ID: 890-4174-10

Date Collected: 02/22/23 08:01

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/08/23 00:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/28/23 01:05	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 11:35	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C251**Lab Sample ID: 890-4174-11****Date Collected: 02/22/23 08:02****Matrix: Solid****Date Received: 02/22/23 14:48**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/08/23 01:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/28/23 01:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 11:39	CH	EET MID

Client Sample ID: SW21**Lab Sample ID: 890-4174-12****Date Collected: 02/22/23 08:03****Matrix: Solid****Date Received: 02/22/23 14:48**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/08/23 01:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/28/23 02:08	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 11:53	CH	EET MID

Client Sample ID: C245**Lab Sample ID: 890-4174-13****Date Collected: 02/22/23 10:00****Matrix: Solid****Date Received: 02/22/23 14:48**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/08/23 01:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/28/23 02:29	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 11:58	CH	EET MID

Client Sample ID: C248**Lab Sample ID: 890-4174-14****Date Collected: 02/22/23 10:30****Matrix: Solid****Date Received: 02/22/23 14:48**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/08/23 02:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Client Sample ID: C248

Lab Sample ID: 890-4174-14

Date Collected: 02/22/23 10:30

Matrix: Solid

Date Received: 02/22/23 14:48

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			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/28/23 02:50	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 12:40	CH	EET MID

Client Sample ID: C255

Lab Sample ID: 890-4174-15

Date Collected: 02/22/23 12:00

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/08/23 02:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/28/23 03:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 12:45	CH	EET MID

Client Sample ID: C256

Lab Sample ID: 890-4174-16

Date Collected: 02/22/23 12:01

Matrix: Solid

Date Received: 02/22/23 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47631	03/02/23 11:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48071	03/08/23 02:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48133	03/08/23 14:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47426	02/28/23 11:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47298	02/27/23 10:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47263	02/28/23 03:33	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47345	02/27/23 15:41	KS	EET MID
Soluble	Analysis	300.0		1			47420	02/28/23 12:50	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 890-4174-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4174-1	C231	Solid	02/21/23 09:30	02/22/23 14:48
890-4174-2	C233	Solid	02/21/23 09:31	02/22/23 14:48
890-4174-3	C225	Solid	02/21/23 09:32	02/22/23 14:48
890-4174-4	SW12	Solid	02/21/23 14:00	02/22/23 14:48
890-4174-5	SW15	Solid	02/21/23 14:01	02/22/23 14:48
890-4174-6	SW34	Solid	02/21/23 14:02	02/22/23 14:48
890-4174-7	SW6	Solid	02/21/23 09:00	02/22/23 14:48
890-4174-8	SW17	Solid	02/21/23 14:03	02/22/23 14:48
890-4174-9	C249	Solid	02/22/23 08:00	02/22/23 14:48
890-4174-10	C250	Solid	02/22/23 08:01	02/22/23 14:48
890-4174-11	C251	Solid	02/22/23 08:02	02/22/23 14:48
890-4174-12	SW21	Solid	02/22/23 08:03	02/22/23 14:48
890-4174-13	C245	Solid	02/22/23 10:00	02/22/23 14:48
890-4174-14	C248	Solid	02/22/23 10:30	02/22/23 14:48
890-4174-15	C255	Solid	02/22/23 12:00	02/22/23 14:48
890-4174-16	C256	Solid	02/22/23 12:01	02/22/23 14:48

No. 2541

CHAIN-OF-CUSTODY

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-4174-1

SDG Number: 22-0107-01

Login Number: 4174

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: 890-4174-1

SDG Number: 22-0107-01

Login Number: 4174

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 02/24/23 10:52 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

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

Laboratory Job ID: 880-20950-1

Laboratory Sample Delivery Group: 22-0107-01

Client Project/Site: Hayhurst Pond 2 (HHP2)

For:

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

Attn: Mr. Mark J Larson

A handwritten signature in black ink that reads "Holly Taylor".

Authorized for release by:

11/3/2022 3:49:38 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: Hayhurst Pond 2 (HHP2)

Laboratory Job ID: 880-20950-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

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.
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: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Job ID: 880-20950-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-20950-1

Receipt

The samples were received on 10/31/2022 2:01 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 3.9°C

Receipt Exceptions

The following samples were received and analyzed from a bulk soil jar: C-2, 2' (880-20950-1), C-3, 2' (880-20950-2), C-4, 2' (880-20950-3), C-5, 2' (880-20950-4), C-6, 2' (880-20950-5), C-7, 2' (880-20950-6) and SW-1, 0-2' (880-20950-7).

GC VOA

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

GC Semi VOA

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: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Client Sample ID: C-2, 2'

Date Collected: 10/27/22 09:23

Date Received: 10/31/22 14:01

Lab Sample ID: 880-20950-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/01/22 13:17	11/02/22 00:37	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/01/22 13:17	11/02/22 00:37	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/01/22 13:17	11/02/22 00:37	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/01/22 13:17	11/02/22 00:37	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/01/22 13:17	11/02/22 00:37	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/01/22 13:17	11/02/22 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	11/01/22 13:17	11/02/22 00:37	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/01/22 13:17	11/02/22 00:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/02/22 10:02	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			11/02/22 10:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/01/22 08:49	11/01/22 16:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/01/22 08:49	11/01/22 16:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/01/22 08:49	11/01/22 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	11/01/22 08:49	11/01/22 16:25	1
o-Terphenyl (Surr)	93		70 - 130	11/01/22 08:49	11/01/22 16:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	615		49.8	mg/Kg			11/02/22 03:37	10

Client Sample ID: C-3, 2'

Date Collected: 10/27/22 09:25

Date Received: 10/31/22 14:01

Lab Sample ID: 880-20950-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 00:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 00:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 00:58	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 00:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 00:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/01/22 13:17	11/02/22 00:58	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/01/22 13:17	11/02/22 00:58	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Client Sample ID: C-3, 2'

Lab Sample ID: 880-20950-2

Date Collected: 10/27/22 09:25

Matrix: Solid

Date Received: 10/31/22 14:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/02/22 10:02	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			11/02/22 10:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/01/22 08:49	11/01/22 17:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/01/22 08:49	11/01/22 17:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/01/22 08:49	11/01/22 17:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			11/01/22 08:49	11/01/22 17:11	1
o-Terphenyl (Surr)	75		70 - 130			11/01/22 08:49	11/01/22 17:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.4		5.00	mg/Kg			11/02/22 19:09	1

Client Sample ID: C-4, 2'

Lab Sample ID: 880-20950-3

Date Collected: 10/27/22 09:27

Matrix: Solid

Date Received: 10/31/22 14:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 01:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 01:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 01:19	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 01:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 01:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			11/01/22 13:17	11/02/22 01:19	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/01/22 13:17	11/02/22 01:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/02/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/02/22 10:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 17:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 17:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Client Sample ID: C-4, 2'

Date Collected: 10/27/22 09:27

Date Received: 10/31/22 14:01

Lab Sample ID: 880-20950-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			11/01/22 08:49	11/01/22 17:32	1
o-Terphenyl (Surr)	75		70 - 130			11/01/22 08:49	11/01/22 17:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.0		4.95	mg/Kg			11/02/22 19:13	1

Client Sample ID: C-5, 2'

Date Collected: 10/27/22 09:28

Date Received: 10/31/22 14:01

Lab Sample ID: 880-20950-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 01:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 01:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 01:39	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/01/22 13:17	11/02/22 01:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 01:39	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/01/22 13:17	11/02/22 01:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			11/01/22 13:17	11/02/22 01:39	1
1,4-Difluorobenzene (Surr)	108		70 - 130			11/01/22 13:17	11/02/22 01:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/02/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	87.2		49.8	mg/Kg			11/02/22 10:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/01/22 08:49	11/01/22 17:54	1
Diesel Range Organics (Over C10-C28)	87.2		49.8	mg/Kg		11/01/22 08:49	11/01/22 17:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/01/22 08:49	11/01/22 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			11/01/22 08:49	11/01/22 17:54	1
o-Terphenyl (Surr)	91		70 - 130			11/01/22 08:49	11/01/22 17:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		5.05	mg/Kg			11/02/22 19:18	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Client Sample ID: C-6, 2'

Lab Sample ID: 880-20950-5

Date Collected: 10/27/22 09:29

Matrix: Solid

Date Received: 10/31/22 14:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 02:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 02:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 02:00	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 02:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 02:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	11/01/22 13:17	11/02/22 02:00	1
1,4-Difluorobenzene (Surr)	110		70 - 130	11/01/22 13:17	11/02/22 02:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/02/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	83.3		50.0	mg/Kg			11/02/22 10:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 18:16	1
Diesel Range Organics (Over C10-C28)	83.3		50.0	mg/Kg		11/01/22 08:49	11/01/22 18:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	11/01/22 08:49	11/01/22 18:16	1
o-Terphenyl (Surr)	78		70 - 130	11/01/22 08:49	11/01/22 18:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.4		4.99	mg/Kg			11/02/22 19:23	1

Client Sample ID: C-7, 2'

Lab Sample ID: 880-20950-6

Date Collected: 10/27/22 09:30

Matrix: Solid

Date Received: 10/31/22 14:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 02:21	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 02:21	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 02:21	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 02:21	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 02:21	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/01/22 13:17	11/02/22 02:21	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/01/22 13:17	11/02/22 02:21	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Client Sample ID: C-7, 2'

Lab Sample ID: 880-20950-6

Date Collected: 10/27/22 09:30

Matrix: Solid

Date Received: 10/31/22 14:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/02/22 10:02	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			11/02/22 10:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/01/22 08:49	11/01/22 18:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/01/22 08:49	11/01/22 18:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/01/22 08:49	11/01/22 18:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			11/01/22 08:49	11/01/22 18:38	1
o-Terphenyl (Surr)	79		70 - 130			11/01/22 08:49	11/01/22 18:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		4.97	mg/Kg			11/02/22 19:28	1

Client Sample ID: SW-1, 0-2'

Lab Sample ID: 880-20950-7

Date Collected: 10/27/22 09:31

Matrix: Solid

Date Received: 10/31/22 14:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 03:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 03:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 03:45	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/01/22 13:17	11/02/22 03:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 03:45	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/01/22 13:17	11/02/22 03:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			11/01/22 13:17	11/02/22 03:45	1
1,4-Difluorobenzene (Surr)	99		70 - 130			11/01/22 13:17	11/02/22 03:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/02/22 10:02	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			11/02/22 10:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/01/22 08:49	11/01/22 18:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/01/22 08:49	11/01/22 18:59	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Client Sample ID: SW-1, 0-2'

Lab Sample ID: 880-20950-7

Date Collected: 10/27/22 09:31

Matrix: Solid

Date Received: 10/31/22 14:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/01/22 08:49	11/01/22 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	11/01/22 08:49	11/01/22 18:59	1
o-Terphenyl (Surr)	82		70 - 130	11/01/22 08:49	11/01/22 18:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		4.96	mg/Kg			11/02/22 19:33	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

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)
880-20950-1	C-2, 2'	112	108
880-20950-2	C-3, 2'	117	105
880-20950-3	C-4, 2'	106	107
880-20950-4	C-5, 2'	120	108
880-20950-5	C-6, 2'	112	110
880-20950-6	C-7, 2'	114	106
880-20950-7	SW-1, 0-2'	104	99
LCS 880-38396/1-A	Lab Control Sample	86	100
LCSD 880-38396/2-A	Lab Control Sample Dup	84	100
MB 880-38292/5-A	Method Blank	96	101
MB 880-38396/5-A	Method Blank	98	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-20950-1	C-2, 2'	93	93
880-20950-2	C-3, 2'	76	75
880-20950-3	C-4, 2'	76	75
880-20950-4	C-5, 2'	92	91
880-20950-5	C-6, 2'	79	78
880-20950-6	C-7, 2'	78	79
880-20950-7	SW-1, 0-2'	82	82
LCS 880-38325/2-A	Lab Control Sample	112	120
LCSD 880-38325/3-A	Lab Control Sample Dup	121	128
MB 880-38325/1-A	Method Blank	77	83

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38292/5-A

Matrix: Solid

Analysis Batch: 38317

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38292

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/31/22 13:44	11/01/22 11:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/31/22 13:44	11/01/22 11:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/31/22 13:44	11/01/22 11:42	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		10/31/22 13:44	11/01/22 11:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/31/22 13:44	11/01/22 11:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/31/22 13:44	11/01/22 11:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	10/31/22 13:44	11/01/22 11:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/31/22 13:44	11/01/22 11:42	1

Lab Sample ID: MB 880-38396/5-A

Matrix: Solid

Analysis Batch: 38317

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38396

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/01/22 22:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/01/22 22:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/01/22 22:52	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/01/22 13:17	11/01/22 22:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/01/22 22:52	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/01/22 13:17	11/01/22 22:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	11/01/22 13:17	11/01/22 22:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/01/22 13:17	11/01/22 22:52	1

Lab Sample ID: LCS 880-38396/1-A

Matrix: Solid

Analysis Batch: 38317

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09196		mg/Kg		92	70 - 130
Toluene	0.100	0.09375		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09317		mg/Kg		93	70 - 130
m,p-Xylenes	0.200	0.1708		mg/Kg		85	70 - 130
o-Xylene	0.100	0.09774		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-38396/2-A

Matrix: Solid

Analysis Batch: 38317

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38396

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09381		mg/Kg		94	70 - 130	2	35

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

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

Lab Sample ID: LCSD 880-38396/2-A

Matrix: Solid

Analysis Batch: 38317

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38396

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09579		mg/Kg		96	70 - 130	2	35
Ethylbenzene	0.100	0.09325		mg/Kg		93	70 - 130	0	35
m,p-Xylenes	0.200	0.1693		mg/Kg		85	70 - 130	1	35
o-Xylene	0.100	0.09677		mg/Kg		97	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-38325/1-A

Matrix: Solid

Analysis Batch: 38323

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38325

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 09:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 09:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 09:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130	11/01/22 08:49	11/01/22 09:56	1
o-Terphenyl (Surr)	83		70 - 130	11/01/22 08:49	11/01/22 09:56	1

Lab Sample ID: LCS 880-38325/2-A

Matrix: Solid

Analysis Batch: 38323

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1179		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	112		70 - 130
o-Terphenyl (Surr)	120		70 - 130

Lab Sample ID: LCSD 880-38325/3-A

Matrix: Solid

Analysis Batch: 38323

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1081		mg/Kg		108	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1234		mg/Kg		123	70 - 130	10	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

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

Lab Sample ID: LCSD 880-38325/3-A
Matrix: Solid
Analysis Batch: 38323

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38325

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	121		70 - 130
o-Terphenyl (Surr)	128		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38299/1-A
Matrix: Solid
Analysis Batch: 38438

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			11/02/22 01:29		1

Lab Sample ID: LCS 880-38299/2-A
Matrix: Solid
Analysis Batch: 38438

Client Sample ID: Lab Control Sample
Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	261.4		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-38299/3-A
Matrix: Solid
Analysis Batch: 38438

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	263.0		mg/Kg		105	90 - 110	1	20	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

GC VOA

Prep Batch: 38292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-38292/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 38317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20950-1	C-2, 2'	Total/NA	Solid	8021B	38396
880-20950-2	C-3, 2'	Total/NA	Solid	8021B	38396
880-20950-3	C-4, 2'	Total/NA	Solid	8021B	38396
880-20950-4	C-5, 2'	Total/NA	Solid	8021B	38396
880-20950-5	C-6, 2'	Total/NA	Solid	8021B	38396
880-20950-6	C-7, 2'	Total/NA	Solid	8021B	38396
880-20950-7	SW-1, 0-2'	Total/NA	Solid	8021B	38396
MB 880-38292/5-A	Method Blank	Total/NA	Solid	8021B	38292
MB 880-38396/5-A	Method Blank	Total/NA	Solid	8021B	38396
LCS 880-38396/1-A	Lab Control Sample	Total/NA	Solid	8021B	38396
LCSD 880-38396/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38396

Prep Batch: 38396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20950-1	C-2, 2'	Total/NA	Solid	5035	
880-20950-2	C-3, 2'	Total/NA	Solid	5035	
880-20950-3	C-4, 2'	Total/NA	Solid	5035	
880-20950-4	C-5, 2'	Total/NA	Solid	5035	
880-20950-5	C-6, 2'	Total/NA	Solid	5035	
880-20950-6	C-7, 2'	Total/NA	Solid	5035	
880-20950-7	SW-1, 0-2'	Total/NA	Solid	5035	
MB 880-38396/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38396/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38396/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 38463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20950-1	C-2, 2'	Total/NA	Solid	Total BTEX	
880-20950-2	C-3, 2'	Total/NA	Solid	Total BTEX	
880-20950-3	C-4, 2'	Total/NA	Solid	Total BTEX	
880-20950-4	C-5, 2'	Total/NA	Solid	Total BTEX	
880-20950-5	C-6, 2'	Total/NA	Solid	Total BTEX	
880-20950-6	C-7, 2'	Total/NA	Solid	Total BTEX	
880-20950-7	SW-1, 0-2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 38323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20950-1	C-2, 2'	Total/NA	Solid	8015B NM	38325
880-20950-2	C-3, 2'	Total/NA	Solid	8015B NM	38325
880-20950-3	C-4, 2'	Total/NA	Solid	8015B NM	38325
880-20950-4	C-5, 2'	Total/NA	Solid	8015B NM	38325
880-20950-5	C-6, 2'	Total/NA	Solid	8015B NM	38325
880-20950-6	C-7, 2'	Total/NA	Solid	8015B NM	38325
880-20950-7	SW-1, 0-2'	Total/NA	Solid	8015B NM	38325
MB 880-38325/1-A	Method Blank	Total/NA	Solid	8015B NM	38325

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Analysis Batch: 38323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-38325/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38325
LCSD 880-38325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38325

Prep Batch: 38325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20950-1	C-2, 2'	Total/NA	Solid	8015NM Prep	
880-20950-2	C-3, 2'	Total/NA	Solid	8015NM Prep	
880-20950-3	C-4, 2'	Total/NA	Solid	8015NM Prep	
880-20950-4	C-5, 2'	Total/NA	Solid	8015NM Prep	
880-20950-5	C-6, 2'	Total/NA	Solid	8015NM Prep	
880-20950-6	C-7, 2'	Total/NA	Solid	8015NM Prep	
880-20950-7	SW-1, 0-2'	Total/NA	Solid	8015NM Prep	
MB 880-38325/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38325/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 38468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20950-1	C-2, 2'	Total/NA	Solid	8015 NM	
880-20950-2	C-3, 2'	Total/NA	Solid	8015 NM	
880-20950-3	C-4, 2'	Total/NA	Solid	8015 NM	
880-20950-4	C-5, 2'	Total/NA	Solid	8015 NM	
880-20950-5	C-6, 2'	Total/NA	Solid	8015 NM	
880-20950-6	C-7, 2'	Total/NA	Solid	8015 NM	
880-20950-7	SW-1, 0-2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 38299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20950-1	C-2, 2'	Soluble	Solid	DI Leach	
880-20950-2	C-3, 2'	Soluble	Solid	DI Leach	
880-20950-3	C-4, 2'	Soluble	Solid	DI Leach	
880-20950-4	C-5, 2'	Soluble	Solid	DI Leach	
880-20950-5	C-6, 2'	Soluble	Solid	DI Leach	
880-20950-6	C-7, 2'	Soluble	Solid	DI Leach	
880-20950-7	SW-1, 0-2'	Soluble	Solid	DI Leach	
MB 880-38299/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38299/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38299/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 38438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20950-1	C-2, 2'	Soluble	Solid	300.0	38299
880-20950-2	C-3, 2'	Soluble	Solid	300.0	38299
880-20950-3	C-4, 2'	Soluble	Solid	300.0	38299
880-20950-4	C-5, 2'	Soluble	Solid	300.0	38299
880-20950-5	C-6, 2'	Soluble	Solid	300.0	38299
880-20950-6	C-7, 2'	Soluble	Solid	300.0	38299
880-20950-7	SW-1, 0-2'	Soluble	Solid	300.0	38299
MB 880-38299/1-A	Method Blank	Soluble	Solid	300.0	38299

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

HPLC/IC (Continued)

Analysis Batch: 38438 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-38299/2-A	Lab Control Sample	Soluble	Solid	300.0	38299
LCSD 880-38299/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38299

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

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Client Sample ID: C-2, 2'

Lab Sample ID: 880-20950-1

Date Collected: 10/27/22 09:23

Matrix: Solid

Date Received: 10/31/22 14:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 00:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38463	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38468	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38325	11/01/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/01/22 16:25	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38299	10/31/22 14:46	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	38438	11/02/22 03:37	CH	EET MID

Client Sample ID: C-3, 2'

Lab Sample ID: 880-20950-2

Date Collected: 10/27/22 09:25

Matrix: Solid

Date Received: 10/31/22 14:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 00:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38463	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38468	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38325	11/01/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/01/22 17:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38299	10/31/22 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38438	11/02/22 19:09	CH	EET MID

Client Sample ID: C-4, 2'

Lab Sample ID: 880-20950-3

Date Collected: 10/27/22 09:27

Matrix: Solid

Date Received: 10/31/22 14:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 01:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38463	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38468	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38325	11/01/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/01/22 17:32	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38299	10/31/22 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38438	11/02/22 19:13	CH	EET MID

Client Sample ID: C-5, 2'

Lab Sample ID: 880-20950-4

Date Collected: 10/27/22 09:28

Matrix: Solid

Date Received: 10/31/22 14:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 01:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38463	11/02/22 10:02	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Client Sample ID: C-5, 2'

Date Collected: 10/27/22 09:28

Date Received: 10/31/22 14:01

Lab Sample ID: 880-20950-4

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			38468	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38325	11/01/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/01/22 17:54	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38299	10/31/22 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38438	11/02/22 19:18	CH	EET MID

Client Sample ID: C-6, 2'

Date Collected: 10/27/22 09:29

Date Received: 10/31/22 14:01

Lab Sample ID: 880-20950-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 02:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38463	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38468	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38325	11/01/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/01/22 18:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38299	10/31/22 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38438	11/02/22 19:23	CH	EET MID

Client Sample ID: C-7, 2'

Date Collected: 10/27/22 09:30

Date Received: 10/31/22 14:01

Lab Sample ID: 880-20950-6

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			5.03 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 02:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38463	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38468	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38325	11/01/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/01/22 18:38	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38299	10/31/22 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38438	11/02/22 19:28	CH	EET MID

Client Sample ID: SW-1, 0-2'

Date Collected: 10/27/22 09:31

Date Received: 10/31/22 14:01

Lab Sample ID: 880-20950-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 03:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38463	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38468	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38325	11/01/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/01/22 18:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Client Sample ID: SW-1, 0-2'
Date Collected: 10/27/22 09:31
Date Received: 10/31/22 14:01

Lab Sample ID: 880-20950-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	38299	10/31/22 14:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38438	11/02/22 19:33	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: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

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: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2 (HHP2)

Job ID: 880-20950-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-20950-1	C-2, 2'	Solid	10/27/22 09:23	10/31/22 14:01
880-20950-2	C-3, 2'	Solid	10/27/22 09:25	10/31/22 14:01
880-20950-3	C-4, 2'	Solid	10/27/22 09:27	10/31/22 14:01
880-20950-4	C-5, 2'	Solid	10/27/22 09:28	10/31/22 14:01
880-20950-5	C-6, 2'	Solid	10/27/22 09:29	10/31/22 14:01
880-20950-6	C-7, 2'	Solid	10/27/22 09:30	10/31/22 14:01
880-20950-7	SW-1, 0-2'	Solid	10/27/22 09:31	10/31/22 14:01

Marson & Associates, Inc.
Environmental Consultants

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

Data Reported to

DATE: 10/31/2022 PO#: LAB WORK ORDER#
PROJECT LOCATION OR NAME: Highway Road 2 (HHP2)
LAI PROJECT # 22-0167-01 COLLECTOR: 22-0167-01



No. 2806
CUSTODY

880-20950 Chain of Custody

TRRP report? ☐ Yes ☒ No		S=SOIL W=WATER A=AIR		P=PAINT SL=SLUDGE OT=OTHER			
TIME ZONE		TIME ZONE		TIME ZONE		TIME ZONE	
Field Sample ID		Lab #		Date		Time	
Matrix		# of Containers		HCl		HNO ₃	
H ₂ SO ₄ ☐ NaOH ☐		ICE		UNPRESERVED			
ANALYSES BTEX ☐ MTBE ☐ TPH 1005 ☐ TPH 1006 ☐ TRPH 418.1 ☐ 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 200.8 ☐ TCLP ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ pH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PENTACHLORATE ☐ CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐							
FIELD NOTES							
C-2, 2'	10/27/22	0923	5	1	X	X	X
C-3, 2'		0925					
C-4, 2'		0927					
C-5, 2'		0928					
C-6, 2'		0929					
C-7, 2'		0930					
SW-1, 0-2'		0931					
TOTAL							
RELINQUISHED BY (Signature)		DATE/TIME		RECEIVED BY (Signature)		DATE/TIME	
RELINQUISHED BY (Signature)		DATE/TIME		RECEIVED BY (Signature)		DATE/TIME	
RELINQUISHED BY (Signature)		DATE/TIME		RECEIVED BY (Signature)		DATE/TIME	
LABORATORY		XERO		TURN AROUND TIME		LABORATORY USE ONLY:	
				NORMAL ☒		RECEIVING TEMP <u>42/39</u> THERM# <u>100-38</u>	
				1 DAY ☐		CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED	
				2 DAY ☐		CARRIER BILL #	
				OTHER ☐		HAND DELIVERED	

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-20950-1

SDG Number: 22-0107-01

Login Number: 20950**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

ANALYTICAL REPORT

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

Laboratory Job ID: 880-21169-1

Laboratory Sample Delivery Group: 22-0102-01

Client Project/Site: Hayburst pond 2 (HHP2)

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:

11/14/2022 3:32:52 PM

Holly Taylor, Project Manager
(806)794-1296

Holly.Taylor@et.eurofinsus.com

LINKS

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results through



Have a Question?



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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.

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.

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Laboratory Job ID: 880-21169-1
SDG: 22-0102-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Job ID: 880-21169-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-21169-1**

Receipt

The samples were received on 11/4/2022 4:20 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 4.7° C.

Receipt Exceptions

The following samples were received and analyzed from a bulk soil jar: C-33 (880-21169-1), C-34 (880-21169-2), C-35 (880-21169-3), C-36 (880-21169-4), C-37 (880-21169-5), C-38 (880-21169-6), C-41 (880-21169-7), C-42 (880-21169-8), C-43 (880-21169-9), C-44 (880-21169-10), C-45 (880-21169-11), C-46 (880-21169-12), C-47 (880-21169-13), C-52 (880-21169-14), C-56 (880-21169-15), C-57 (880-21169-16), C-58 (880-21169-17), C-59 (880-21169-18), C-60 (880-21169-19), C-62 (880-21169-20), C-65 (880-21169-21), C-68 (880-21169-22), C-69 (880-21169-23), C-70 (880-21169-24), C-71 (880-21169-25), C-73 (880-21169-26), C-74 (880-21169-27), C-75 (880-21169-28), C-76 (880-21169-29), C-78 (880-21169-30), C-82 (880-21169-31), C-83 (880-21169-32), C-84 (880-21169-33), C-85 (880-21169-34), C-86 (880-21169-35), C-87 (880-21169-36), C-89 (880-21169-37) and C-90 (880-21169-38).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38969 and analytical batch 880-39060 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: CCV biased low for m-Xylene & p-Xylene range hydrocarbons, however an acceptable CCV was analyzed within the 12 hour window, therefore data was qualified and reported.
(CCV 880-39060/33)

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-39061/2). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-39061/33). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-38970/1-A) and (LCSD 880-38970/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-21169-A-21-G MS) and (880-21169-A-21-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-65 (880-21169-21), C-68 (880-21169-22), C-69 (880-21169-23), C-70 (880-21169-24), C-71 (880-21169-25), C-73 (880-21169-26), C-74 (880-21169-27), C-75 (880-21169-28), C-76 (880-21169-29) and C-78 (880-21169-30). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-39061/51). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-83 (880-21169-32), C-84 (880-21169-33), C-85 (880-21169-34), C-86 (880-21169-35), C-87 (880-21169-36), C-89 (880-21169-37) and C-90 (880-21169-38). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-39061 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m,p-Xylenes, o-Xylene, Xylenes, Total, 4-Bromofluorobenzene (Surr) and 1,4-Difluorobenzene (Surr). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-39061/51).

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39027 and analytical batch

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Job ID: 880-21169-1 (Continued)

Laboratory: Eurofins Midland (Continued)

880-39341 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39177 and analytical batch 880-39277 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.

GC Semi VOA

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-33

Lab Sample ID: 880-21169-1

Date Collected: 10/31/22 12:51

Matrix: Solid

Date Received: 11/04/22 16:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00398	U	0.00398	mg/Kg		11/09/22 13:56	11/10/22 14:37	2
Toluene	<0.00398	U	0.00398	mg/Kg		11/09/22 13:56	11/10/22 14:37	2
Ethylbenzene	<0.00398	U	0.00398	mg/Kg		11/09/22 13:56	11/10/22 14:37	2
m,p-Xylenes	<0.00795	U	0.00795	mg/Kg		11/09/22 13:56	11/10/22 14:37	2
o-Xylene	<0.00398	U	0.00398	mg/Kg		11/09/22 13:56	11/10/22 14:37	2
Xylenes, Total	<0.00795	U	0.00795	mg/Kg		11/09/22 13:56	11/10/22 14:37	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/09/22 13:56	11/10/22 14:37	2
1,4-Difluorobenzene (Surr)	97		70 - 130	11/09/22 13:56	11/10/22 14:37	2

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00795	U	0.00795	mg/Kg			11/10/22 16:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 11:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 11:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	11/07/22 08:58	11/08/22 11:47	1
o-Terphenyl (Surr)	101		70 - 130	11/07/22 08:58	11/08/22 11:47	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	690		49.8	mg/Kg			11/11/22 01:49	10

Client Sample ID: C-34

Lab Sample ID: 880-21169-2

Date Collected: 10/31/22 12:54

Matrix: Solid

Date Received: 11/04/22 16:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 13:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 13:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 13:22	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/08/22 10:15	11/09/22 13:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 13:22	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/08/22 10:15	11/09/22 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/08/22 10:15	11/09/22 13:22	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/08/22 10:15	11/09/22 13:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-34

Lab Sample ID: 880-21169-2

Date Collected: 10/31/22 12:54

Matrix: Solid

Date Received: 11/04/22 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/10/22 11:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 12:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/07/22 08:58	11/08/22 12:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/07/22 08:58	11/08/22 12:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			11/07/22 08:58	11/08/22 12:51	1
o-Terphenyl (Surr)	102		70 - 130			11/07/22 08:58	11/08/22 12:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		4.99	mg/Kg			11/11/22 02:11	1

Client Sample ID: C-35

Lab Sample ID: 880-21169-3

Date Collected: 10/31/22 12:51

Matrix: Solid

Date Received: 11/04/22 16:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 13:43	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 13:43	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 13:43	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 13:43	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 13:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			11/08/22 10:15	11/09/22 13:43	1
1,4-Difluorobenzene (Surr)	123		70 - 130			11/08/22 10:15	11/09/22 13:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/10/22 11:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 13:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 13:12	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-35

Date Collected: 10/31/22 12:51

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 13:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			11/07/22 08:58	11/08/22 13:12	1
o-Terphenyl (Surr)	105		70 - 130			11/07/22 08:58	11/08/22 13:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		5.01	mg/Kg			11/11/22 02:18	1

Client Sample ID: C-36

Date Collected: 10/31/22 13:01

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 14:04	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 14:04	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 14:04	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/08/22 10:15	11/09/22 14:04	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 14:04	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/08/22 10:15	11/09/22 14:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			11/08/22 10:15	11/09/22 14:04	1
1,4-Difluorobenzene (Surr)	104		70 - 130			11/08/22 10:15	11/09/22 14:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/10/22 11:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 13:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 13:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			11/07/22 08:58	11/08/22 13:33	1
o-Terphenyl (Surr)	96		70 - 130			11/07/22 08:58	11/08/22 13:33	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	255		4.97	mg/Kg			11/11/22 02:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-37

Lab Sample ID: 880-21169-5

Date Collected: 10/31/22 13:03

Matrix: Solid

Date Received: 11/04/22 16:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 14:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 14:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 14:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 14:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 14:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	11/08/22 10:15	11/09/22 14:25	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/08/22 10:15	11/09/22 14:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/10/22 11:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 13:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 13:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	11/07/22 08:58	11/08/22 13:55	1
o-Terphenyl (Surr)	95		70 - 130	11/07/22 08:58	11/08/22 13:55	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	322		5.00	mg/Kg			11/11/22 02:32	1

Client Sample ID: C-38

Lab Sample ID: 880-21169-6

Date Collected: 10/31/22 13:07

Matrix: Solid

Date Received: 11/04/22 16:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 14:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 14:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 14:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 14:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 14:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	11/08/22 10:15	11/09/22 14:46	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/08/22 10:15	11/09/22 14:46	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-38

Lab Sample ID: 880-21169-6

Date Collected: 10/31/22 13:07

Matrix: Solid

Date Received: 11/04/22 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/10/22 11:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 14:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 14:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 14:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			11/07/22 08:58	11/08/22 14:16	1
o-Terphenyl (Surr)	104		70 - 130			11/07/22 08:58	11/08/22 14:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	254		4.99	mg/Kg			11/11/22 02:53	1

Client Sample ID: C-41

Lab Sample ID: 880-21169-7

Date Collected: 10/31/22 14:49

Matrix: Solid

Date Received: 11/04/22 16:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 15:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 15:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 15:06	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/08/22 10:15	11/09/22 15:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 15:06	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/08/22 10:15	11/09/22 15:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			11/08/22 10:15	11/09/22 15:06	1
1,4-Difluorobenzene (Surr)	113		70 - 130			11/08/22 10:15	11/09/22 15:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/10/22 11:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 14:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 14:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-41

Date Collected: 10/31/22 14:49

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 14:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			11/07/22 08:58	11/08/22 14:38	1
o-Terphenyl (Surr)	97		70 - 130			11/07/22 08:58	11/08/22 14:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		4.96	mg/Kg			11/11/22 03:00	1

Client Sample ID: C-42

Date Collected: 10/31/22 14:54

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 15:27	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 15:27	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 15:27	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/08/22 10:15	11/09/22 15:27	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 15:27	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/08/22 10:15	11/09/22 15:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			11/08/22 10:15	11/09/22 15:27	1
1,4-Difluorobenzene (Surr)	113		70 - 130			11/08/22 10:15	11/09/22 15:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/10/22 11:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 14:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 14:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 14:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			11/07/22 08:58	11/08/22 14:59	1
o-Terphenyl (Surr)	108		70 - 130			11/07/22 08:58	11/08/22 14:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		5.04	mg/Kg			11/11/22 03:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-43

Lab Sample ID: 880-21169-9

Date Collected: 10/31/22 14:57

Matrix: Solid

Date Received: 11/04/22 16:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/08/22 10:15	11/09/22 15:48	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/08/22 10:15	11/09/22 15:48	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/08/22 10:15	11/09/22 15:48	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		11/08/22 10:15	11/09/22 15:48	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/08/22 10:15	11/09/22 15:48	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/08/22 10:15	11/09/22 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	11/08/22 10:15	11/09/22 15:48	1
1,4-Difluorobenzene (Surr)	110		70 - 130	11/08/22 10:15	11/09/22 15:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/10/22 11:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 15:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 15:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	11/07/22 08:58	11/08/22 15:21	1
o-Terphenyl (Surr)	108		70 - 130	11/07/22 08:58	11/08/22 15:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		4.99	mg/Kg			11/11/22 03:15	1

Client Sample ID: C-44

Lab Sample ID: 880-21169-10

Date Collected: 10/31/22 15:00

Matrix: Solid

Date Received: 11/04/22 16:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 16:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 16:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 16:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 16:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 16:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	11/08/22 10:15	11/09/22 16:09	1
1,4-Difluorobenzene (Surr)	79		70 - 130	11/08/22 10:15	11/09/22 16:09	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-44

Lab Sample ID: 880-21169-10

Date Collected: 10/31/22 15:00

Matrix: Solid

Date Received: 11/04/22 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/10/22 11:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 15:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 15:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 15:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			11/07/22 08:58	11/08/22 15:43	1
o-Terphenyl (Surr)	96		70 - 130			11/07/22 08:58	11/08/22 15:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	233		24.8	mg/Kg			11/11/22 03:22	5

Client Sample ID: C-45

Lab Sample ID: 880-21169-11

Date Collected: 10/31/22 15:02

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 18:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 18:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 18:04	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 18:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 18:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 18:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			11/08/22 10:15	11/09/22 18:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130			11/08/22 10:15	11/09/22 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			11/10/22 11:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 16:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 16:31	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-45

Date Collected: 10/31/22 15:02

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-11

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 16:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			11/07/22 08:58	11/08/22 16:31	1
o-Terphenyl (Surr)	103		70 - 130			11/07/22 08:58	11/08/22 16:31	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		25.0	mg/Kg			11/11/22 03:29	5

Client Sample ID: C-46

Date Collected: 10/31/22 15:05

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-12

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 18:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 18:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 18:24	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/08/22 10:15	11/09/22 18:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 18:24	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/08/22 10:15	11/09/22 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			11/08/22 10:15	11/09/22 18:24	1
1,4-Difluorobenzene (Surr)	72		70 - 130			11/08/22 10:15	11/09/22 18:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/10/22 11:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 16:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 16:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 16:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			11/07/22 08:58	11/08/22 16:52	1
o-Terphenyl (Surr)	97		70 - 130			11/07/22 08:58	11/08/22 16:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		5.01	mg/Kg			11/11/22 03:50	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-47

Lab Sample ID: 880-21169-13

Date Collected: 10/31/22 15:07

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 18:45	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 18:45	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 18:45	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/08/22 10:15	11/09/22 18:45	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:15	11/09/22 18:45	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/08/22 10:15	11/09/22 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	11/08/22 10:15	11/09/22 18:45	1
1,4-Difluorobenzene (Surr)	113		70 - 130	11/08/22 10:15	11/09/22 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			11/10/22 11:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 17:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	11/07/22 08:58	11/08/22 17:14	1
o-Terphenyl (Surr)	95		70 - 130	11/07/22 08:58	11/08/22 17:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	465		24.9	mg/Kg			11/11/22 03:58	5

Client Sample ID: C-52

Lab Sample ID: 880-21169-14

Date Collected: 10/31/22 15:22

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 19:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 19:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 19:06	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/08/22 10:15	11/09/22 19:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 19:06	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/08/22 10:15	11/09/22 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	11/08/22 10:15	11/09/22 19:06	1
1,4-Difluorobenzene (Surr)	84		70 - 130	11/08/22 10:15	11/09/22 19:06	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-52

Lab Sample ID: 880-21169-14

Date Collected: 10/31/22 15:22

Matrix: Solid

Date Received: 11/04/22 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/10/22 11:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 17:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 17:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			11/07/22 08:58	11/08/22 17:35	1
o-Terphenyl (Surr)	96		70 - 130			11/07/22 08:58	11/08/22 17:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	308		25.0	mg/Kg			11/11/22 04:19	5

Client Sample ID: C-56

Lab Sample ID: 880-21169-15

Date Collected: 11/01/22 08:53

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 19:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 19:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 19:27	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 19:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 19:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 19:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			11/08/22 10:15	11/09/22 19:27	1
1,4-Difluorobenzene (Surr)	115		70 - 130			11/08/22 10:15	11/09/22 19:27	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			11/10/22 11:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 17:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 17:56	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-56

Lab Sample ID: 880-21169-15

Date Collected: 11/01/22 08:53

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 17:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			11/07/22 08:58	11/08/22 17:56	1
o-Terphenyl (Surr)	97		70 - 130			11/07/22 08:58	11/08/22 17:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	211		4.97	mg/Kg			11/11/22 04:26	1

Client Sample ID: C-57

Lab Sample ID: 880-21169-16

Date Collected: 11/01/22 09:06

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 19:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 19:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 19:47	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 19:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:15	11/09/22 19:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:15	11/09/22 19:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			11/08/22 10:15	11/09/22 19:47	1
1,4-Difluorobenzene (Surr)	114		70 - 130			11/08/22 10:15	11/09/22 19:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/10/22 11:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 18:18	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			11/07/22 08:58	11/08/22 18:18	1
o-Terphenyl (Surr)	104		70 - 130			11/07/22 08:58	11/08/22 18:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		5.05	mg/Kg			11/11/22 04:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-58

Lab Sample ID: 880-21169-17

Date Collected: 11/01/22 09:09

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 08:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 08:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 08:33	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/08/22 16:11	11/12/22 08:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 08:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/08/22 16:11	11/12/22 08:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	11/08/22 16:11	11/12/22 08:33	1
1,4-Difluorobenzene (Surr)	87		70 - 130	11/08/22 16:11	11/12/22 08:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/14/22 11:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 18:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 18:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	11/07/22 08:58	11/08/22 18:39	1
o-Terphenyl (Surr)	89		70 - 130	11/07/22 08:58	11/08/22 18:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	213		4.98	mg/Kg			11/11/22 04:40	1

Client Sample ID: C-59

Lab Sample ID: 880-21169-18

Date Collected: 11/01/22 09:12

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 16:11	11/12/22 08:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 16:11	11/12/22 08:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 16:11	11/12/22 08:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 16:11	11/12/22 08:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 16:11	11/12/22 08:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 16:11	11/12/22 08:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/08/22 16:11	11/12/22 08:53	1
1,4-Difluorobenzene (Surr)	110		70 - 130	11/08/22 16:11	11/12/22 08:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-59

Lab Sample ID: 880-21169-18

Date Collected: 11/01/22 09:12

Matrix: Solid

Date Received: 11/04/22 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/14/22 11:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 19:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 19:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 08:58	11/08/22 19:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			11/07/22 08:58	11/08/22 19:00	1
o-Terphenyl (Surr)	92		70 - 130			11/07/22 08:58	11/08/22 19:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		5.00	mg/Kg			11/11/22 04:47	1

Client Sample ID: C-60

Lab Sample ID: 880-21169-19

Date Collected: 11/01/22 09:14

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 09:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 09:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 09:14	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/08/22 16:11	11/12/22 09:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 09:14	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/08/22 16:11	11/12/22 09:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			11/08/22 16:11	11/12/22 09:14	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/08/22 16:11	11/12/22 09:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/14/22 11:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 19:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 19:21	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-60

Lab Sample ID: 880-21169-19

Date Collected: 11/01/22 09:14

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 19:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			11/07/22 08:58	11/08/22 19:21	1
o-Terphenyl (Surr)	97		70 - 130			11/07/22 08:58	11/08/22 19:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		4.96	mg/Kg			11/11/22 04:55	1

Client Sample ID: C-62

Lab Sample ID: 880-21169-20

Date Collected: 11/01/22 09:20

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 09:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 09:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 09:34	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/08/22 16:11	11/12/22 09:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 09:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/08/22 16:11	11/12/22 09:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			11/08/22 16:11	11/12/22 09:34	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/08/22 16:11	11/12/22 09:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/14/22 11:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	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		11/07/22 08:58	11/08/22 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 19:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			11/07/22 08:58	11/08/22 19:42	1
o-Terphenyl (Surr)	95		70 - 130			11/07/22 08:58	11/08/22 19:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	555		4.95	mg/Kg			11/11/22 05:02	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-65

Lab Sample ID: 880-21169-21

Date Collected: 11/01/22 09:33

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 02:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 02:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 02:10	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/08/22 10:19	11/10/22 02:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 02:10	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/08/22 10:19	11/10/22 02:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	173	S1+	70 - 130	11/08/22 10:19	11/10/22 02:10	1
1,4-Difluorobenzene (Surr)	86		70 - 130	11/08/22 10:19	11/10/22 02:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 11:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 11:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 11:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130	11/07/22 09:01	11/07/22 11:28	1
o-Terphenyl (Surr)	76		70 - 130	11/07/22 09:01	11/07/22 11:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	483		5.00	mg/Kg			11/11/22 14:31	1

Client Sample ID: C-68

Lab Sample ID: 880-21169-22

Date Collected: 11/01/22 09:41

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 02:35	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 02:35	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 02:35	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/08/22 10:19	11/10/22 02:35	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 02:35	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/08/22 10:19	11/10/22 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	172	S1+	70 - 130	11/08/22 10:19	11/10/22 02:35	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/08/22 10:19	11/10/22 02:35	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-68

Lab Sample ID: 880-21169-22

Date Collected: 11/01/22 09:41

Matrix: Solid

Date Received: 11/04/22 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/07/22 09:01	11/07/22 12:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/07/22 09:01	11/07/22 12:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/07/22 09:01	11/07/22 12:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			11/07/22 09:01	11/07/22 12:33	1
o-Terphenyl (Surr)	104		70 - 130			11/07/22 09:01	11/07/22 12:33	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		4.95	mg/Kg			11/11/22 14:53	1

Client Sample ID: C-69

Lab Sample ID: 880-21169-23

Date Collected: 11/01/22 09:44

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 03:01	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 03:01	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 03:01	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 03:01	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 03:01	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 03:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	188	S1+	70 - 130			11/08/22 10:19	11/10/22 03:01	1
1,4-Difluorobenzene (Surr)	79		70 - 130			11/08/22 10:19	11/10/22 03:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 12:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 12:54	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-69

Lab Sample ID: 880-21169-23

Date Collected: 11/01/22 09:44

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 12:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			11/07/22 09:01	11/07/22 12:54	1
o-Terphenyl (Surr)	86		70 - 130			11/07/22 09:01	11/07/22 12:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		4.99	mg/Kg			11/11/22 15:00	1

Client Sample ID: C-70

Lab Sample ID: 880-21169-24

Date Collected: 11/01/22 09:48

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 03:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 03:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 03:27	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 03:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 03:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 03:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130			11/08/22 10:19	11/10/22 03:27	1
1,4-Difluorobenzene (Surr)	73		70 - 130			11/08/22 10:19	11/10/22 03:27	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			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 13:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 13:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 13:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			11/07/22 09:01	11/07/22 13:16	1
o-Terphenyl (Surr)	91		70 - 130			11/07/22 09:01	11/07/22 13:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	427		4.97	mg/Kg			11/11/22 15:07	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-71

Lab Sample ID: 880-21169-25

Date Collected: 11/01/22 09:51

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 03:52	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 03:52	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 03:52	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/08/22 10:19	11/10/22 03:52	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 03:52	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/08/22 10:19	11/10/22 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	180	S1+	70 - 130	11/08/22 10:19	11/10/22 03:52	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/08/22 10:19	11/10/22 03:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 13:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 13:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	11/07/22 09:01	11/07/22 13:38	1
o-Terphenyl (Surr)	85		70 - 130	11/07/22 09:01	11/07/22 13:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	332		4.96	mg/Kg			11/11/22 15:14	1

Client Sample ID: C-73

Lab Sample ID: 880-21169-26

Date Collected: 11/01/22 10:02

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 04:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 04:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 04:18	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/08/22 10:19	11/10/22 04:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 04:18	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/08/22 10:19	11/10/22 04:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	189	S1+	70 - 130	11/08/22 10:19	11/10/22 04:18	1
1,4-Difluorobenzene (Surr)	71		70 - 130	11/08/22 10:19	11/10/22 04:18	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-73

Lab Sample ID: 880-21169-26

Date Collected: 11/01/22 10:02

Matrix: Solid

Date Received: 11/04/22 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 13:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 13:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			11/07/22 09:01	11/07/22 13:59	1
o-Terphenyl (Surr)	86		70 - 130			11/07/22 09:01	11/07/22 13:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		5.00	mg/Kg			11/11/22 18:18	1

Client Sample ID: C-74

Lab Sample ID: 880-21169-27

Date Collected: 11/01/22 10:08

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 04:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 04:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 04:44	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 04:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 04:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 04:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	181	S1+	70 - 130			11/08/22 10:19	11/10/22 04:44	1
1,4-Difluorobenzene (Surr)	78		70 - 130			11/08/22 10:19	11/10/22 04:44	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			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 14:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 14:21	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-74

Date Collected: 11/01/22 10:08

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-27

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 14:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			11/07/22 09:01	11/07/22 14:21	1
o-Terphenyl (Surr)	80		70 - 130			11/07/22 09:01	11/07/22 14:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	557		4.98	mg/Kg			11/11/22 18:25	1

Client Sample ID: C-75

Date Collected: 11/01/22 10:13

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-28

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 05:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 05:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 05:10	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/08/22 10:19	11/10/22 05:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 05:10	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/08/22 10:19	11/10/22 05:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	184	S1+	70 - 130			11/08/22 10:19	11/10/22 05:10	1
1,4-Difluorobenzene (Surr)	78		70 - 130			11/08/22 10:19	11/10/22 05:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 14:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 14:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			11/07/22 09:01	11/07/22 14:43	1
o-Terphenyl (Surr)	76		70 - 130			11/07/22 09:01	11/07/22 14:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		5.05	mg/Kg			11/11/22 18:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-76

Lab Sample ID: 880-21169-29

Date Collected: 11/01/22 10:17

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 05:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 05:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 05:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 05:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 05:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 05:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	196	S1+	70 - 130	11/08/22 10:19	11/10/22 05:35	1
1,4-Difluorobenzene (Surr)	78		70 - 130	11/08/22 10:19	11/10/22 05:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 15:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 15:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	11/07/22 09:01	11/07/22 15:04	1
o-Terphenyl (Surr)	91		70 - 130	11/07/22 09:01	11/07/22 15:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		5.02	mg/Kg			11/11/22 18:39	1

Client Sample ID: C-78

Lab Sample ID: 880-21169-30

Date Collected: 11/01/22 10:30

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 06:01	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 06:01	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 06:01	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 06:01	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 06:01	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 06:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	193	S1+	70 - 130	11/08/22 10:19	11/10/22 06:01	1
1,4-Difluorobenzene (Surr)	76		70 - 130	11/08/22 10:19	11/10/22 06:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-78

Lab Sample ID: 880-21169-30

Date Collected: 11/01/22 10:30

Matrix: Solid

Date Received: 11/04/22 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 15:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 15:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 15:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130			11/07/22 09:01	11/07/22 15:26	1
o-Terphenyl (Surr)	76		70 - 130			11/07/22 09:01	11/07/22 15:26	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	550		4.97	mg/Kg			11/11/22 18:46	1

Client Sample ID: C-82

Lab Sample ID: 880-21169-31

Date Collected: 11/01/22 10:50

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/10/22 08:57	11/11/22 20:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/10/22 08:57	11/11/22 20:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/10/22 08:57	11/11/22 20:30	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/10/22 08:57	11/11/22 20:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/10/22 08:57	11/11/22 20:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/10/22 08:57	11/11/22 20:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			11/10/22 08:57	11/11/22 20:30	1
1,4-Difluorobenzene (Surr)	114		70 - 130			11/10/22 08:57	11/11/22 20:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/14/22 11:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 16:09	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-82

Date Collected: 11/01/22 10:50

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-31

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 16:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			11/07/22 09:01	11/07/22 16:09	1
o-Terphenyl (Surr)	84		70 - 130			11/07/22 09:01	11/07/22 16:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		5.04	mg/Kg			11/11/22 18:53	1

Client Sample ID: C-83

Date Collected: 11/01/22 10:53

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-32

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 08:37	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 08:37	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 08:37	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/08/22 10:19	11/10/22 08:37	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 08:37	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/08/22 10:19	11/10/22 08:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	215	S1+	70 - 130			11/08/22 10:19	11/10/22 08:37	1
1,4-Difluorobenzene (Surr)	78		70 - 130			11/08/22 10:19	11/10/22 08:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 16:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 16:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 16:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			11/07/22 09:01	11/07/22 16:31	1
o-Terphenyl (Surr)	92		70 - 130			11/07/22 09:01	11/07/22 16:31	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		5.00	mg/Kg			11/11/22 19:15	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-84

Lab Sample ID: 880-21169-33

Date Collected: 11/01/22 10:57

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 09:03	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 09:03	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 09:03	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 09:03	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 09:03	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 09:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	187	S1+	70 - 130	11/08/22 10:19	11/10/22 09:03	1
1,4-Difluorobenzene (Surr)	74		70 - 130	11/08/22 10:19	11/10/22 09:03	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			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 16:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 16:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130	11/07/22 09:01	11/07/22 16:52	1
o-Terphenyl (Surr)	73		70 - 130	11/07/22 09:01	11/07/22 16:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	351		4.99	mg/Kg			11/11/22 19:22	1

Client Sample ID: C-85

Lab Sample ID: 880-21169-34

Date Collected: 11/01/22 11:01

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 09:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 09:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 09:30	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 09:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 09:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 09:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	205	S1+	70 - 130	11/08/22 10:19	11/10/22 09:30	1
1,4-Difluorobenzene (Surr)	84		70 - 130	11/08/22 10:19	11/10/22 09:30	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-85

Lab Sample ID: 880-21169-34

Date Collected: 11/01/22 11:01

Matrix: Solid

Date Received: 11/04/22 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 17:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 17:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 17:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			11/07/22 09:01	11/07/22 17:13	1
o-Terphenyl (Surr)	86		70 - 130			11/07/22 09:01	11/07/22 17:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		4.99	mg/Kg			11/11/22 19:43	1

Client Sample ID: C-86

Lab Sample ID: 880-21169-35

Date Collected: 11/01/22 11:07

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 09:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 09:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 09:56	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/08/22 10:19	11/10/22 09:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 09:56	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/08/22 10:19	11/10/22 09:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	208	S1+	70 - 130			11/08/22 10:19	11/10/22 09:56	1
1,4-Difluorobenzene (Surr)	83		70 - 130			11/08/22 10:19	11/10/22 09:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 17:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 17:34	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-86

Date Collected: 11/01/22 11:07

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-35

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 17:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			11/07/22 09:01	11/07/22 17:34	1
o-Terphenyl (Surr)	92		70 - 130			11/07/22 09:01	11/07/22 17:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	306		5.05	mg/Kg			11/11/22 19:51	1

Client Sample ID: C-87

Date Collected: 11/01/22 11:10

Date Received: 11/04/22 16:20

Lab Sample ID: 880-21169-36

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 10:23	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 10:23	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 10:23	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/08/22 10:19	11/10/22 10:23	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 10:23	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/08/22 10:19	11/10/22 10:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	374	S1+	70 - 130			11/08/22 10:19	11/10/22 10:23	1
1,4-Difluorobenzene (Surr)	145	S1+	70 - 130			11/08/22 10:19	11/10/22 10:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 17:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 17:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 09:01	11/07/22 17:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			11/07/22 09:01	11/07/22 17:56	1
o-Terphenyl (Surr)	104		70 - 130			11/07/22 09:01	11/07/22 17:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	511		4.95	mg/Kg			11/11/22 19:58	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-89

Lab Sample ID: 880-21169-37

Date Collected: 11/01/22 11:38

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 10:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 10:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 10:49	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/08/22 10:19	11/10/22 10:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/08/22 10:19	11/10/22 10:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/08/22 10:19	11/10/22 10:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130	11/08/22 10:19	11/10/22 10:49	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/08/22 10:19	11/10/22 10:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 18:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 18:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130	11/07/22 09:01	11/07/22 18:18	1
o-Terphenyl (Surr)	72		70 - 130	11/07/22 09:01	11/07/22 18:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.9		4.96	mg/Kg			11/11/22 20:05	1

Client Sample ID: C-90

Lab Sample ID: 880-21169-38

Date Collected: 11/01/22 11:41

Matrix: Solid

Date Received: 11/04/22 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 11:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 11:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 11:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 11:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/22 10:19	11/10/22 11:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/22 10:19	11/10/22 11:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	208	S1+	70 - 130	11/08/22 10:19	11/10/22 11:15	1
1,4-Difluorobenzene (Surr)	73		70 - 130	11/08/22 10:19	11/10/22 11:15	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-90

Lab Sample ID: 880-21169-38

Date Collected: 11/01/22 11:41

Matrix: Solid

Date Received: 11/04/22 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/10/22 12:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/08/22 12:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 18:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 18:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/07/22 09:01	11/07/22 18:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			11/07/22 09:01	11/07/22 18:39	1
o-Terphenyl (Surr)	95		70 - 130			11/07/22 09:01	11/07/22 18:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		5.02	mg/Kg			11/11/22 20:12	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

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)
880-21169-1	C-33	103	97
880-21169-2	C-34	108	108
880-21169-3	C-35	112	123
880-21169-4	C-36	113	104
880-21169-5	C-37	120	105
880-21169-6	C-38	118	77
880-21169-7	C-41	118	113
880-21169-8	C-42	117	113
880-21169-9	C-43	118	110
880-21169-10	C-44	124	79
880-21169-11	C-45	106	103
880-21169-12	C-46	109	72
880-21169-13	C-47	111	113
880-21169-14	C-52	121	84
880-21169-15	C-56	113	115
880-21169-16	C-57	105	114
880-21169-17	C-58	92	87
880-21169-18	C-59	97	110
880-21169-19	C-60	109	102
880-21169-20	C-62	95	107
880-21169-21	C-65	173 S1+	86
880-21169-21 MS	C-65	178 S1+	85
880-21169-21 MSD	C-65	180 S1+	84
880-21169-22	C-68	172 S1+	77
880-21169-23	C-69	188 S1+	79
880-21169-24	C-70	171 S1+	73
880-21169-25	C-71	180 S1+	81
880-21169-26	C-73	189 S1+	71
880-21169-27	C-74	181 S1+	78
880-21169-28	C-75	184 S1+	78
880-21169-29	C-76	196 S1+	78
880-21169-30	C-78	193 S1+	76
880-21169-31	C-82	116	114
880-21169-32	C-83	215 S1+	78
880-21169-33	C-84	187 S1+	74
880-21169-34	C-85	205 S1+	84
880-21169-35	C-86	208 S1+	83
880-21169-36	C-87	374 S1+	145 S1+
880-21169-37	C-89	195 S1+	77
880-21169-38	C-90	208 S1+	73
880-21169-A-1-G MS	880-21169-A-1-G MS	84	103
880-21169-A-1-H MSD	880-21169-A-1-H MSD	94	106
LCS 880-38969/1-A	Lab Control Sample	87	103
LCS 880-38970/1-A	Lab Control Sample	157 S1+	100
LCS 880-39013/1-A	Lab Control Sample	119	99
LCS 880-39027/1-A	Lab Control Sample	106	95
LCS 880-39177/1-A	Lab Control Sample	82	105
LCSD 880-38969/2-A	Lab Control Sample Dup	81	97
LCSD 880-38970/2-A	Lab Control Sample Dup	166 S1+	79

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCSD 880-39013/2-A	Lab Control Sample Dup	112	96
LCSD 880-39027/2-A	Lab Control Sample Dup	105	92
LCSD 880-39177/2-A	Lab Control Sample Dup	82	102
MB 880-38956/5-A	Method Blank	92	83
MB 880-38969/5-A	Method Blank	91	100
MB 880-38970/5-A	Method Blank	110	70
MB 880-39013/5-A	Method Blank	87	96
MB 880-39027/5-A	Method Blank	78	107
MB 880-39079/5-A	Method Blank	83	100
MB 880-39177/5-A	Method Blank	93	99
MB 880-39319/5-A	Method Blank	83	104
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)
880-21169-1	C-33	89	101
880-21169-1 MS	C-33	84	79
880-21169-1 MSD	C-33	83	79
880-21169-2	C-34	92	102
880-21169-3	C-35	94	105
880-21169-4	C-36	88	96
880-21169-5	C-37	87	95
880-21169-6	C-38	95	104
880-21169-7	C-41	90	97
880-21169-8	C-42	100	108
880-21169-9	C-43	98	108
880-21169-10	C-44	88	96
880-21169-11	C-45	91	103
880-21169-12	C-46	88	97
880-21169-13	C-47	88	95
880-21169-14	C-52	87	96
880-21169-15	C-56	89	97
880-21169-16	C-57	96	104
880-21169-17	C-58	82	89
880-21169-18	C-59	85	92
880-21169-19	C-60	90	97
880-21169-20	C-62	86	95
880-21169-21	C-65	75	76
880-21169-21 MS	C-65	88	79
880-21169-21 MSD	C-65	91	80
880-21169-22	C-68	105	104
880-21169-23	C-69	85	86
880-21169-24	C-70	91	91
880-21169-25	C-71	87	85

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-21169-1

Project/Site: Hayburst pond 2 (HHP2)

SDG: 22-0102-01

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)
880-21169-26	C-73	87	86
880-21169-27	C-74	79	80
880-21169-28	C-75	76	76
880-21169-29	C-76	89	91
880-21169-30	C-78	75	76
880-21169-31	C-82	83	84
880-21169-32	C-83	94	92
880-21169-33	C-84	73	73
880-21169-34	C-85	87	86
880-21169-35	C-86	91	92
880-21169-36	C-87	105	104
880-21169-37	C-89	75	72
880-21169-38	C-90	97	95
LCS 880-38815/2-A	Lab Control Sample	99	107
LCS 880-38816/2-A	Lab Control Sample	119	125
LCSD 880-38815/3-A	Lab Control Sample Dup	105	115
LCSD 880-38816/3-A	Lab Control Sample Dup	102	106
MB 880-38815/1-A	Method Blank	107	128
MB 880-38816/1-A	Method Blank	98	107

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38956/5-A

Matrix: Solid

Analysis Batch: 39061

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38956

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 09:51	11/09/22 12:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 09:51	11/09/22 12:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 09:51	11/09/22 12:08	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/08/22 09:51	11/09/22 12:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 09:51	11/09/22 12:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/08/22 09:51	11/09/22 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	11/08/22 09:51	11/09/22 12:08	1
1,4-Difluorobenzene (Surr)	83		70 - 130	11/08/22 09:51	11/09/22 12:08	1

Lab Sample ID: MB 880-38969/5-A

Matrix: Solid

Analysis Batch: 39060

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38969

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 11:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 11:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 11:50	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/08/22 10:15	11/09/22 11:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:15	11/09/22 11:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/08/22 10:15	11/09/22 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	11/08/22 10:15	11/09/22 11:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/08/22 10:15	11/09/22 11:50	1

Lab Sample ID: LCS 880-38969/1-A

Matrix: Solid

Analysis Batch: 39060

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09302		mg/Kg		93	70 - 130
Toluene	0.100	0.09231		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09152		mg/Kg		92	70 - 130
m,p-Xylenes	0.200	0.1744		mg/Kg		87	70 - 130
o-Xylene	0.100	0.09831		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-38969/2-A

Matrix: Solid

Analysis Batch: 39060

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38969

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09448		mg/Kg		94	70 - 130	2	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-38969/2-A

Matrix: Solid

Analysis Batch: 39060

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38969

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09266		mg/Kg		93	70 - 130	0	35
Ethylbenzene	0.100	0.08961		mg/Kg		90	70 - 130	2	35
m,p-Xylenes	0.200	0.1648		mg/Kg		82	70 - 130	6	35
o-Xylene	0.100	0.09127		mg/Kg		91	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-21169-A-1-G MS

Matrix: Solid

Analysis Batch: 39060

Client Sample ID: 880-21169-A-1-G MS

Prep Type: Total/NA

Prep Batch: 38969

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0986	F2 F1	0.0998	0.08393	F1	mg/Kg		-15	70 - 130
Toluene	0.0800	F2 F1	0.0998	0.07951	F1	mg/Kg		-0.5	70 - 130
Ethylbenzene	0.276	F2 F1	0.0998	0.07124	F1	mg/Kg		-205	70 - 130
m,p-Xylenes	0.119	F1	0.200	0.1338	F1	mg/Kg		7	70 - 130
o-Xylene	0.0296	F1	0.0998	0.07561	F1	mg/Kg		46	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-21169-A-1-H MSD

Matrix: Solid

Analysis Batch: 39060

Client Sample ID: 880-21169-A-1-H MSD

Prep Type: Total/NA

Prep Batch: 38969

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0986	F2 F1	0.0990	0.05279	F2 F1	mg/Kg		-46	70 - 130	46	35
Toluene	0.0800	F2 F1	0.0990	0.05149	F2 F1	mg/Kg		-29	70 - 130	43	35
Ethylbenzene	0.276	F2 F1	0.0990	0.04903	F2 F1	mg/Kg		-229	70 - 130	37	35
m,p-Xylenes	0.119	F1	0.198	0.09908	F1	mg/Kg		-10	70 - 130	30	35
o-Xylene	0.0296	F1	0.0990	0.05683	F1	mg/Kg		27	70 - 130	28	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-38970/5-A

Matrix: Solid

Analysis Batch: 39061

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38970

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 01:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 01:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 01:44	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/08/22 10:19	11/10/22 01:44	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-38970/5-A

Matrix: Solid

Analysis Batch: 39061

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38970

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 10:19	11/10/22 01:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/08/22 10:19	11/10/22 01:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/08/22 10:19	11/10/22 01:44	1
1,4-Difluorobenzene (Surr)	70		70 - 130	11/08/22 10:19	11/10/22 01:44	1

Lab Sample ID: LCS 880-38970/1-A

Matrix: Solid

Analysis Batch: 39061

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38970

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1279		mg/Kg		128	70 - 130
Toluene	0.100	0.1110		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1174		mg/Kg		117	70 - 130
m,p-Xylenes	0.200	0.2362		mg/Kg		118	70 - 130
o-Xylene	0.100	0.1206		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-38970/2-A

Matrix: Solid

Analysis Batch: 39061

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38970

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1170		mg/Kg		117	70 - 130	9	35
Toluene	0.100	0.1118		mg/Kg		112	70 - 130	1	35
Ethylbenzene	0.100	0.1194		mg/Kg		119	70 - 130	2	35
m,p-Xylenes	0.200	0.2415		mg/Kg		121	70 - 130	2	35
o-Xylene	0.100	0.1228		mg/Kg		123	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: 880-21169-21 MS

Matrix: Solid

Analysis Batch: 39061

Client Sample ID: C-65

Prep Type: Total/NA

Prep Batch: 38970

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.1014		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.0998	0.09668		mg/Kg		97	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.09942		mg/Kg		100	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1985		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1031		mg/Kg		103	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-21169-21 MS

Matrix: Solid

Analysis Batch: 39061

Client Sample ID: C-65

Prep Type: Total/NA

Prep Batch: 38970

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-21169-21 MSD

Matrix: Solid

Analysis Batch: 39061

Client Sample ID: C-65

Prep Type: Total/NA

Prep Batch: 38970

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.101	0.1079		mg/Kg		107	70 - 130	6	35
Toluene	<0.00200	U	0.101	0.1016		mg/Kg		101	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.101	0.1068		mg/Kg		106	70 - 130	7	35
m,p-Xylenes	<0.00399	U	0.202	0.2156		mg/Kg		107	70 - 130	8	35
o-Xylene	<0.00200	U	0.101	0.1098		mg/Kg		109	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	180	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: MB 880-39013/5-A

Matrix: Solid

Analysis Batch: 39086

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39013

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 13:56	11/10/22 03:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 13:56	11/10/22 03:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 13:56	11/10/22 03:41	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/08/22 13:56	11/10/22 03:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 13:56	11/10/22 03:41	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/08/22 13:56	11/10/22 03:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	11/08/22 13:56	11/10/22 03:41	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/08/22 13:56	11/10/22 03:41	1

Lab Sample ID: LCS 880-39013/1-A

Matrix: Solid

Analysis Batch: 39086

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09861		mg/Kg		99	70 - 130
Toluene	0.100	0.1075		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1070		mg/Kg		107	70 - 130
m,p-Xylenes	0.200	0.1883		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09621		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-39013/1-A

Matrix: Solid

Analysis Batch: 39086

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39013

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-39013/2-A

Matrix: Solid

Analysis Batch: 39086

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39013

	LCS	LCS									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Benzene	0.100	0.09159		mg/Kg		92	70 - 130	7	35		
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	7	35		
Ethylbenzene	0.100	0.09712		mg/Kg		97	70 - 130	10	35		
m,p-Xylenes	0.200	0.1715		mg/Kg		86	70 - 130	9	35		
o-Xylene	0.100	0.08615		mg/Kg		86	70 - 130	11	35		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-39027/5-A

Matrix: Solid

Analysis Batch: 39341

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39027

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 07:03	1	
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 07:03	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 07:03	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/08/22 16:11	11/12/22 07:03	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/22 16:11	11/12/22 07:03	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/08/22 16:11	11/12/22 07:03	1	

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	78		70 - 130	11/08/22 16:11	11/12/22 07:03	1		
1,4-Difluorobenzene (Surr)	107		70 - 130	11/08/22 16:11	11/12/22 07:03	1		

Lab Sample ID: LCS 880-39027/1-A

Matrix: Solid

Analysis Batch: 39341

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39027

	LCS	LCS							
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.07571		mg/Kg		76	70 - 130		
Toluene	0.100	0.09356		mg/Kg		94	70 - 130		
Ethylbenzene	0.100	0.09403		mg/Kg		94	70 - 130		
m,p-Xylenes	0.200	0.1772		mg/Kg		89	70 - 130		
o-Xylene	0.100	0.08717		mg/Kg		87	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-39027/2-A

Matrix: Solid

Analysis Batch: 39341

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39027

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07849		mg/Kg		78	70 - 130	4	35
Toluene	0.100	0.09571		mg/Kg		96	70 - 130	2	35
Ethylbenzene	0.100	0.09765		mg/Kg		98	70 - 130	4	35
m,p-Xylenes	0.200	0.1832		mg/Kg		92	70 - 130	3	35
o-Xylene	0.100	0.09148		mg/Kg		91	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-39079/5-A

Matrix: Solid

Analysis Batch: 39086

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39079

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/09/22 09:54	11/09/22 15:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/09/22 09:54	11/09/22 15:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/09/22 09:54	11/09/22 15:45	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/09/22 09:54	11/09/22 15:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/09/22 09:54	11/09/22 15:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/09/22 09:54	11/09/22 15:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	11/09/22 09:54	11/09/22 15:45	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/09/22 09:54	11/09/22 15:45	1

Lab Sample ID: MB 880-39177/5-A

Matrix: Solid

Analysis Batch: 39277

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39177

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/10/22 08:57	11/11/22 12:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/10/22 08:57	11/11/22 12:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/10/22 08:57	11/11/22 12:45	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/10/22 08:57	11/11/22 12:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/10/22 08:57	11/11/22 12:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/10/22 08:57	11/11/22 12:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/10/22 08:57	11/11/22 12:45	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/10/22 08:57	11/11/22 12:45	1

Lab Sample ID: LCS 880-39177/1-A

Matrix: Solid

Analysis Batch: 39277

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1150		mg/Kg		115	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-39177/1-A

Matrix: Solid

Analysis Batch: 39277

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.1096		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1030		mg/Kg		103	70 - 130
m,p-Xylenes	0.200	0.1780		mg/Kg		89	70 - 130
o-Xylene	0.100	0.1002		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-39177/2-A

Matrix: Solid

Analysis Batch: 39277

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39177

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1065		mg/Kg		106	70 - 130	8	35
Toluene	0.100	0.1044		mg/Kg		104	70 - 130	5	35
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	2	35
m,p-Xylenes	0.200	0.1824		mg/Kg		91	70 - 130	2	35
o-Xylene	0.100	0.1024		mg/Kg		102	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-39319/5-A

Matrix: Solid

Analysis Batch: 39341

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39319

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/11/22 10:54	11/11/22 19:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/11/22 10:54	11/11/22 19:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/11/22 10:54	11/11/22 19:27	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/11/22 10:54	11/11/22 19:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/11/22 10:54	11/11/22 19:27	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/11/22 10:54	11/11/22 19:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	11/11/22 10:54	11/11/22 19:27	1
1,4-Difluorobenzene (Surr)	104		70 - 130	11/11/22 10:54	11/11/22 19:27	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-38815/1-A

Matrix: Solid

Analysis Batch: 38944

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38815

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 09:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 09:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:58	11/08/22 09:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	11/07/22 08:58	11/08/22 09:11	1
o-Terphenyl (Surr)	128		70 - 130	11/07/22 08:58	11/08/22 09:11	1

Lab Sample ID: LCS 880-38815/2-A

Matrix: Solid

Analysis Batch: 38944

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38815

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	929.5		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-38815/3-A

Matrix: Solid

Analysis Batch: 38944

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38815

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	943.6		mg/Kg		94	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	966.3		mg/Kg		97	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	105		70 - 130
o-Terphenyl (Surr)	115		70 - 130

Lab Sample ID: 880-21169-1 MS

Matrix: Solid

Analysis Batch: 38944

Client Sample ID: C-33

Prep Type: Total/NA

Prep Batch: 38815

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	988.4		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	861.1		mg/Kg		86	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-21169-1 MS

Matrix: Solid

Analysis Batch: 38944

Client Sample ID: C-33

Prep Type: Total/NA

Prep Batch: 38815

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	84		70 - 130
o-Terphenyl (Surr)	79		70 - 130

Lab Sample ID: 880-21169-1 MSD

Matrix: Solid

Analysis Batch: 38944

Client Sample ID: C-33

Prep Type: Total/NA

Prep Batch: 38815

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	997.1		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	865.8		mg/Kg		87	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	83		70 - 130
o-Terphenyl (Surr)	79		70 - 130

Lab Sample ID: MB 880-38816/1-A

Matrix: Solid

Analysis Batch: 38801

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38816

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/07/22 08:41	11/07/22 08:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/07/22 08:41	11/07/22 08:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/07/22 08:41	11/07/22 08:46	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	98		70 - 130	11/07/22 08:41	11/07/22 08:46	1		
o-Terphenyl (Surr)	107		70 - 130	11/07/22 08:41	11/07/22 08:46	1		

Lab Sample ID: LCS 880-38816/2-A

Matrix: Solid

Analysis Batch: 38801

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38816

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	980.2		mg/Kg		98	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1185		mg/Kg		119	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	125		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-38816/3-A

Matrix: Solid

Analysis Batch: 38801

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38816

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130	17	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	102		70 - 130						
o-Terphenyl (Surr)	106		70 - 130						

Lab Sample ID: 880-21169-21 MS

Matrix: Solid

Analysis Batch: 38801

Client Sample ID: C-65

Prep Type: Total/NA

Prep Batch: 38816

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	997	964.0		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1114		mg/Kg		110	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	88		70 - 130								
o-Terphenyl (Surr)	79		70 - 130								

Lab Sample ID: 880-21169-21 MSD

Matrix: Solid

Analysis Batch: 38801

Client Sample ID: C-65

Prep Type: Total/NA

Prep Batch: 38816

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1003		mg/Kg		99	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1150		mg/Kg		113	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	91		70 - 130								
o-Terphenyl (Surr)	80		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38851/1-A

Matrix: Solid

Analysis Batch: 39150

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/11/22 01:20	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-38851/2-A

Matrix: Solid

Analysis Batch: 39150

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	263.9		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-38851/3-A

Matrix: Solid

Analysis Batch: 39150

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	267.7		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-21169-1 MS

Matrix: Solid

Analysis Batch: 39150

Client Sample ID: C-33

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	690		2490	3076		mg/Kg		96	90 - 110

Lab Sample ID: 880-21169-1 MSD

Matrix: Solid

Analysis Batch: 39150

Client Sample ID: C-33

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	690		2490	3082		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-21169-11 MS

Matrix: Solid

Analysis Batch: 39150

Client Sample ID: C-45

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	204		1250	1442		mg/Kg		99	90 - 110

Lab Sample ID: 880-21169-11 MSD

Matrix: Solid

Analysis Batch: 39150

Client Sample ID: C-45

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	204		1250	1484		mg/Kg		103	90 - 110	3	20

Lab Sample ID: MB 880-38852/1-A

Matrix: Solid

Analysis Batch: 39151

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/11/22 14:10	1

Lab Sample ID: LCS 880-38852/2-A

Matrix: Solid

Analysis Batch: 39151

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.6		mg/Kg		103	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-38852/3-A

Matrix: Solid

Analysis Batch: 39151

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	263.1		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 880-21169-21 MS

Matrix: Solid

Analysis Batch: 39151

Client Sample ID: C-65

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	483		250	717.7		mg/Kg		94	90 - 110		

Lab Sample ID: 880-21169-21 MSD

Matrix: Solid

Analysis Batch: 39151

Client Sample ID: C-65

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	483		250	713.6		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 880-21169-31 MS

Matrix: Solid

Analysis Batch: 39151

Client Sample ID: C-82

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	135		252	411.4		mg/Kg		110	90 - 110		

Lab Sample ID: 880-21169-31 MSD

Matrix: Solid

Analysis Batch: 39151

Client Sample ID: C-82

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	135		252	393.0		mg/Kg		102	90 - 110	5	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

GC VOA

Prep Batch: 38956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-38956/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 38969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-2	C-34	Total/NA	Solid	5035	
880-21169-3	C-35	Total/NA	Solid	5035	
880-21169-4	C-36	Total/NA	Solid	5035	
880-21169-5	C-37	Total/NA	Solid	5035	
880-21169-6	C-38	Total/NA	Solid	5035	
880-21169-7	C-41	Total/NA	Solid	5035	
880-21169-8	C-42	Total/NA	Solid	5035	
880-21169-9	C-43	Total/NA	Solid	5035	
880-21169-10	C-44	Total/NA	Solid	5035	
880-21169-11	C-45	Total/NA	Solid	5035	
880-21169-12	C-46	Total/NA	Solid	5035	
880-21169-13	C-47	Total/NA	Solid	5035	
880-21169-14	C-52	Total/NA	Solid	5035	
880-21169-15	C-56	Total/NA	Solid	5035	
880-21169-16	C-57	Total/NA	Solid	5035	
MB 880-38969/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38969/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38969/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21169-A-1-G MS	880-21169-A-1-G MS	Total/NA	Solid	5035	
880-21169-A-1-H MSD	880-21169-A-1-H MSD	Total/NA	Solid	5035	

Prep Batch: 38970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-21	C-65	Total/NA	Solid	5035	
880-21169-22	C-68	Total/NA	Solid	5035	
880-21169-23	C-69	Total/NA	Solid	5035	
880-21169-24	C-70	Total/NA	Solid	5035	
880-21169-25	C-71	Total/NA	Solid	5035	
880-21169-26	C-73	Total/NA	Solid	5035	
880-21169-27	C-74	Total/NA	Solid	5035	
880-21169-28	C-75	Total/NA	Solid	5035	
880-21169-29	C-76	Total/NA	Solid	5035	
880-21169-30	C-78	Total/NA	Solid	5035	
880-21169-32	C-83	Total/NA	Solid	5035	
880-21169-33	C-84	Total/NA	Solid	5035	
880-21169-34	C-85	Total/NA	Solid	5035	
880-21169-35	C-86	Total/NA	Solid	5035	
880-21169-36	C-87	Total/NA	Solid	5035	
880-21169-37	C-89	Total/NA	Solid	5035	
880-21169-38	C-90	Total/NA	Solid	5035	
MB 880-38970/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38970/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38970/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21169-21 MS	C-65	Total/NA	Solid	5035	
880-21169-21 MSD	C-65	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

GC VOA

Prep Batch: 39013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-1	C-33	Total/NA	Solid	5035	
MB 880-39013/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39013/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39013/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 39027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-17	C-58	Total/NA	Solid	5035	
880-21169-18	C-59	Total/NA	Solid	5035	
880-21169-19	C-60	Total/NA	Solid	5035	
880-21169-20	C-62	Total/NA	Solid	5035	
MB 880-39027/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39027/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39027/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 39060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-2	C-34	Total/NA	Solid	8021B	38969
880-21169-3	C-35	Total/NA	Solid	8021B	38969
880-21169-4	C-36	Total/NA	Solid	8021B	38969
880-21169-5	C-37	Total/NA	Solid	8021B	38969
880-21169-6	C-38	Total/NA	Solid	8021B	38969
880-21169-7	C-41	Total/NA	Solid	8021B	38969
880-21169-8	C-42	Total/NA	Solid	8021B	38969
880-21169-9	C-43	Total/NA	Solid	8021B	38969
880-21169-10	C-44	Total/NA	Solid	8021B	38969
880-21169-11	C-45	Total/NA	Solid	8021B	38969
880-21169-12	C-46	Total/NA	Solid	8021B	38969
880-21169-13	C-47	Total/NA	Solid	8021B	38969
880-21169-14	C-52	Total/NA	Solid	8021B	38969
880-21169-15	C-56	Total/NA	Solid	8021B	38969
880-21169-16	C-57	Total/NA	Solid	8021B	38969
MB 880-38969/5-A	Method Blank	Total/NA	Solid	8021B	38969
LCS 880-38969/1-A	Lab Control Sample	Total/NA	Solid	8021B	38969
LCSD 880-38969/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38969
880-21169-A-1-G MS	880-21169-A-1-G MS	Total/NA	Solid	8021B	38969
880-21169-A-1-H MSD	880-21169-A-1-H MSD	Total/NA	Solid	8021B	38969

Analysis Batch: 39061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-21	C-65	Total/NA	Solid	8021B	38970
880-21169-22	C-68	Total/NA	Solid	8021B	38970
880-21169-23	C-69	Total/NA	Solid	8021B	38970
880-21169-24	C-70	Total/NA	Solid	8021B	38970
880-21169-25	C-71	Total/NA	Solid	8021B	38970
880-21169-26	C-73	Total/NA	Solid	8021B	38970
880-21169-27	C-74	Total/NA	Solid	8021B	38970
880-21169-28	C-75	Total/NA	Solid	8021B	38970
880-21169-29	C-76	Total/NA	Solid	8021B	38970
880-21169-30	C-78	Total/NA	Solid	8021B	38970
880-21169-32	C-83	Total/NA	Solid	8021B	38970

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

GC VOA (Continued)

Analysis Batch: 39061 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-33	C-84	Total/NA	Solid	8021B	38970
880-21169-34	C-85	Total/NA	Solid	8021B	38970
880-21169-35	C-86	Total/NA	Solid	8021B	38970
880-21169-36	C-87	Total/NA	Solid	8021B	38970
880-21169-37	C-89	Total/NA	Solid	8021B	38970
880-21169-38	C-90	Total/NA	Solid	8021B	38970
MB 880-38956/5-A	Method Blank	Total/NA	Solid	8021B	38956
MB 880-38970/5-A	Method Blank	Total/NA	Solid	8021B	38970
LCS 880-38970/1-A	Lab Control Sample	Total/NA	Solid	8021B	38970
LCSD 880-38970/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38970
880-21169-21 MS	C-65	Total/NA	Solid	8021B	38970
880-21169-21 MSD	C-65	Total/NA	Solid	8021B	38970

Prep Batch: 39079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39079/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 39086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-1	C-33	Total/NA	Solid	8021B	39013
MB 880-39013/5-A	Method Blank	Total/NA	Solid	8021B	39013
MB 880-39079/5-A	Method Blank	Total/NA	Solid	8021B	39079
LCS 880-39013/1-A	Lab Control Sample	Total/NA	Solid	8021B	39013
LCSD 880-39013/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39013

Prep Batch: 39177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-31	C-82	Total/NA	Solid	5035	
MB 880-39177/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39177/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39177/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 39217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-1	C-33	Total/NA	Solid	Total BTEX	
880-21169-2	C-34	Total/NA	Solid	Total BTEX	
880-21169-3	C-35	Total/NA	Solid	Total BTEX	
880-21169-4	C-36	Total/NA	Solid	Total BTEX	
880-21169-5	C-37	Total/NA	Solid	Total BTEX	
880-21169-6	C-38	Total/NA	Solid	Total BTEX	
880-21169-7	C-41	Total/NA	Solid	Total BTEX	
880-21169-8	C-42	Total/NA	Solid	Total BTEX	
880-21169-9	C-43	Total/NA	Solid	Total BTEX	
880-21169-10	C-44	Total/NA	Solid	Total BTEX	
880-21169-11	C-45	Total/NA	Solid	Total BTEX	
880-21169-12	C-46	Total/NA	Solid	Total BTEX	
880-21169-13	C-47	Total/NA	Solid	Total BTEX	
880-21169-14	C-52	Total/NA	Solid	Total BTEX	
880-21169-15	C-56	Total/NA	Solid	Total BTEX	
880-21169-16	C-57	Total/NA	Solid	Total BTEX	
880-21169-17	C-58	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

GC VOA (Continued)

Analysis Batch: 39217 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-18	C-59	Total/NA	Solid	Total BTEX	
880-21169-19	C-60	Total/NA	Solid	Total BTEX	
880-21169-20	C-62	Total/NA	Solid	Total BTEX	
880-21169-21	C-65	Total/NA	Solid	Total BTEX	
880-21169-22	C-68	Total/NA	Solid	Total BTEX	
880-21169-23	C-69	Total/NA	Solid	Total BTEX	
880-21169-24	C-70	Total/NA	Solid	Total BTEX	
880-21169-25	C-71	Total/NA	Solid	Total BTEX	
880-21169-26	C-73	Total/NA	Solid	Total BTEX	
880-21169-27	C-74	Total/NA	Solid	Total BTEX	
880-21169-28	C-75	Total/NA	Solid	Total BTEX	
880-21169-29	C-76	Total/NA	Solid	Total BTEX	
880-21169-30	C-78	Total/NA	Solid	Total BTEX	
880-21169-31	C-82	Total/NA	Solid	Total BTEX	
880-21169-32	C-83	Total/NA	Solid	Total BTEX	
880-21169-33	C-84	Total/NA	Solid	Total BTEX	
880-21169-34	C-85	Total/NA	Solid	Total BTEX	
880-21169-35	C-86	Total/NA	Solid	Total BTEX	
880-21169-36	C-87	Total/NA	Solid	Total BTEX	
880-21169-37	C-89	Total/NA	Solid	Total BTEX	
880-21169-38	C-90	Total/NA	Solid	Total BTEX	

Analysis Batch: 39277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-31	C-82	Total/NA	Solid	8021B	39177
MB 880-39177/5-A	Method Blank	Total/NA	Solid	8021B	39177
LCS 880-39177/1-A	Lab Control Sample	Total/NA	Solid	8021B	39177
LCSD 880-39177/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39177

Prep Batch: 39319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39319/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 39341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-17	C-58	Total/NA	Solid	8021B	39027
880-21169-18	C-59	Total/NA	Solid	8021B	39027
880-21169-19	C-60	Total/NA	Solid	8021B	39027
880-21169-20	C-62	Total/NA	Solid	8021B	39027
MB 880-39027/5-A	Method Blank	Total/NA	Solid	8021B	39027
MB 880-39319/5-A	Method Blank	Total/NA	Solid	8021B	39319
LCS 880-39027/1-A	Lab Control Sample	Total/NA	Solid	8021B	39027
LCSD 880-39027/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39027

GC Semi VOA

Analysis Batch: 38801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-21	C-65	Total/NA	Solid	8015B NM	38816
880-21169-22	C-68	Total/NA	Solid	8015B NM	38816
880-21169-23	C-69	Total/NA	Solid	8015B NM	38816

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

GC Semi VOA (Continued)

Analysis Batch: 38801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-24	C-70	Total/NA	Solid	8015B NM	38816
880-21169-25	C-71	Total/NA	Solid	8015B NM	38816
880-21169-26	C-73	Total/NA	Solid	8015B NM	38816
880-21169-27	C-74	Total/NA	Solid	8015B NM	38816
880-21169-28	C-75	Total/NA	Solid	8015B NM	38816
880-21169-29	C-76	Total/NA	Solid	8015B NM	38816
880-21169-30	C-78	Total/NA	Solid	8015B NM	38816
880-21169-31	C-82	Total/NA	Solid	8015B NM	38816
880-21169-32	C-83	Total/NA	Solid	8015B NM	38816
880-21169-33	C-84	Total/NA	Solid	8015B NM	38816
880-21169-34	C-85	Total/NA	Solid	8015B NM	38816
880-21169-35	C-86	Total/NA	Solid	8015B NM	38816
880-21169-36	C-87	Total/NA	Solid	8015B NM	38816
880-21169-37	C-89	Total/NA	Solid	8015B NM	38816
880-21169-38	C-90	Total/NA	Solid	8015B NM	38816
MB 880-38816/1-A	Method Blank	Total/NA	Solid	8015B NM	38816
LCS 880-38816/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38816
LCSD 880-38816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38816
880-21169-21 MS	C-65	Total/NA	Solid	8015B NM	38816
880-21169-21 MSD	C-65	Total/NA	Solid	8015B NM	38816

Prep Batch: 38815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-1	C-33	Total/NA	Solid	8015NM Prep	
880-21169-2	C-34	Total/NA	Solid	8015NM Prep	
880-21169-3	C-35	Total/NA	Solid	8015NM Prep	
880-21169-4	C-36	Total/NA	Solid	8015NM Prep	
880-21169-5	C-37	Total/NA	Solid	8015NM Prep	
880-21169-6	C-38	Total/NA	Solid	8015NM Prep	
880-21169-7	C-41	Total/NA	Solid	8015NM Prep	
880-21169-8	C-42	Total/NA	Solid	8015NM Prep	
880-21169-9	C-43	Total/NA	Solid	8015NM Prep	
880-21169-10	C-44	Total/NA	Solid	8015NM Prep	
880-21169-11	C-45	Total/NA	Solid	8015NM Prep	
880-21169-12	C-46	Total/NA	Solid	8015NM Prep	
880-21169-13	C-47	Total/NA	Solid	8015NM Prep	
880-21169-14	C-52	Total/NA	Solid	8015NM Prep	
880-21169-15	C-56	Total/NA	Solid	8015NM Prep	
880-21169-16	C-57	Total/NA	Solid	8015NM Prep	
880-21169-17	C-58	Total/NA	Solid	8015NM Prep	
880-21169-18	C-59	Total/NA	Solid	8015NM Prep	
880-21169-19	C-60	Total/NA	Solid	8015NM Prep	
880-21169-20	C-62	Total/NA	Solid	8015NM Prep	
MB 880-38815/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38815/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38815/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21169-1 MS	C-33	Total/NA	Solid	8015NM Prep	
880-21169-1 MSD	C-33	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

GC Semi VOA

Prep Batch: 38816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-21	C-65	Total/NA	Solid	8015NM Prep	
880-21169-22	C-68	Total/NA	Solid	8015NM Prep	
880-21169-23	C-69	Total/NA	Solid	8015NM Prep	
880-21169-24	C-70	Total/NA	Solid	8015NM Prep	
880-21169-25	C-71	Total/NA	Solid	8015NM Prep	
880-21169-26	C-73	Total/NA	Solid	8015NM Prep	
880-21169-27	C-74	Total/NA	Solid	8015NM Prep	
880-21169-28	C-75	Total/NA	Solid	8015NM Prep	
880-21169-29	C-76	Total/NA	Solid	8015NM Prep	
880-21169-30	C-78	Total/NA	Solid	8015NM Prep	
880-21169-31	C-82	Total/NA	Solid	8015NM Prep	
880-21169-32	C-83	Total/NA	Solid	8015NM Prep	
880-21169-33	C-84	Total/NA	Solid	8015NM Prep	
880-21169-34	C-85	Total/NA	Solid	8015NM Prep	
880-21169-35	C-86	Total/NA	Solid	8015NM Prep	
880-21169-36	C-87	Total/NA	Solid	8015NM Prep	
880-21169-37	C-89	Total/NA	Solid	8015NM Prep	
880-21169-38	C-90	Total/NA	Solid	8015NM Prep	
MB 880-38816/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38816/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21169-21 MS	C-65	Total/NA	Solid	8015NM Prep	
880-21169-21 MSD	C-65	Total/NA	Solid	8015NM Prep	

Analysis Batch: 38944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-1	C-33	Total/NA	Solid	8015B NM	38815
880-21169-2	C-34	Total/NA	Solid	8015B NM	38815
880-21169-3	C-35	Total/NA	Solid	8015B NM	38815
880-21169-4	C-36	Total/NA	Solid	8015B NM	38815
880-21169-5	C-37	Total/NA	Solid	8015B NM	38815
880-21169-6	C-38	Total/NA	Solid	8015B NM	38815
880-21169-7	C-41	Total/NA	Solid	8015B NM	38815
880-21169-8	C-42	Total/NA	Solid	8015B NM	38815
880-21169-9	C-43	Total/NA	Solid	8015B NM	38815
880-21169-10	C-44	Total/NA	Solid	8015B NM	38815
880-21169-11	C-45	Total/NA	Solid	8015B NM	38815
880-21169-12	C-46	Total/NA	Solid	8015B NM	38815
880-21169-13	C-47	Total/NA	Solid	8015B NM	38815
880-21169-14	C-52	Total/NA	Solid	8015B NM	38815
880-21169-15	C-56	Total/NA	Solid	8015B NM	38815
880-21169-16	C-57	Total/NA	Solid	8015B NM	38815
880-21169-17	C-58	Total/NA	Solid	8015B NM	38815
880-21169-18	C-59	Total/NA	Solid	8015B NM	38815
880-21169-19	C-60	Total/NA	Solid	8015B NM	38815
880-21169-20	C-62	Total/NA	Solid	8015B NM	38815
MB 880-38815/1-A	Method Blank	Total/NA	Solid	8015B NM	38815
LCS 880-38815/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38815
LCSD 880-38815/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38815
880-21169-1 MS	C-33	Total/NA	Solid	8015B NM	38815
880-21169-1 MSD	C-33	Total/NA	Solid	8015B NM	38815

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

GC Semi VOA

Analysis Batch: 38994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-1	C-33	Total/NA	Solid	8015 NM	
880-21169-2	C-34	Total/NA	Solid	8015 NM	
880-21169-3	C-35	Total/NA	Solid	8015 NM	
880-21169-4	C-36	Total/NA	Solid	8015 NM	
880-21169-5	C-37	Total/NA	Solid	8015 NM	
880-21169-6	C-38	Total/NA	Solid	8015 NM	
880-21169-7	C-41	Total/NA	Solid	8015 NM	
880-21169-8	C-42	Total/NA	Solid	8015 NM	
880-21169-9	C-43	Total/NA	Solid	8015 NM	
880-21169-10	C-44	Total/NA	Solid	8015 NM	
880-21169-11	C-45	Total/NA	Solid	8015 NM	
880-21169-12	C-46	Total/NA	Solid	8015 NM	
880-21169-13	C-47	Total/NA	Solid	8015 NM	
880-21169-14	C-52	Total/NA	Solid	8015 NM	
880-21169-15	C-56	Total/NA	Solid	8015 NM	
880-21169-16	C-57	Total/NA	Solid	8015 NM	
880-21169-17	C-58	Total/NA	Solid	8015 NM	
880-21169-18	C-59	Total/NA	Solid	8015 NM	
880-21169-19	C-60	Total/NA	Solid	8015 NM	
880-21169-20	C-62	Total/NA	Solid	8015 NM	
880-21169-21	C-65	Total/NA	Solid	8015 NM	
880-21169-22	C-68	Total/NA	Solid	8015 NM	
880-21169-23	C-69	Total/NA	Solid	8015 NM	
880-21169-24	C-70	Total/NA	Solid	8015 NM	
880-21169-25	C-71	Total/NA	Solid	8015 NM	
880-21169-26	C-73	Total/NA	Solid	8015 NM	
880-21169-27	C-74	Total/NA	Solid	8015 NM	
880-21169-28	C-75	Total/NA	Solid	8015 NM	
880-21169-29	C-76	Total/NA	Solid	8015 NM	
880-21169-30	C-78	Total/NA	Solid	8015 NM	
880-21169-31	C-82	Total/NA	Solid	8015 NM	
880-21169-32	C-83	Total/NA	Solid	8015 NM	
880-21169-33	C-84	Total/NA	Solid	8015 NM	
880-21169-34	C-85	Total/NA	Solid	8015 NM	
880-21169-35	C-86	Total/NA	Solid	8015 NM	
880-21169-36	C-87	Total/NA	Solid	8015 NM	
880-21169-37	C-89	Total/NA	Solid	8015 NM	
880-21169-38	C-90	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 38851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-1	C-33	Soluble	Solid	DI Leach	
880-21169-2	C-34	Soluble	Solid	DI Leach	
880-21169-3	C-35	Soluble	Solid	DI Leach	
880-21169-4	C-36	Soluble	Solid	DI Leach	
880-21169-5	C-37	Soluble	Solid	DI Leach	
880-21169-6	C-38	Soluble	Solid	DI Leach	
880-21169-7	C-41	Soluble	Solid	DI Leach	
880-21169-8	C-42	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

HPLC/IC (Continued)

Leach Batch: 38851 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-9	C-43	Soluble	Solid	DI Leach	
880-21169-10	C-44	Soluble	Solid	DI Leach	
880-21169-11	C-45	Soluble	Solid	DI Leach	
880-21169-12	C-46	Soluble	Solid	DI Leach	
880-21169-13	C-47	Soluble	Solid	DI Leach	
880-21169-14	C-52	Soluble	Solid	DI Leach	
880-21169-15	C-56	Soluble	Solid	DI Leach	
880-21169-16	C-57	Soluble	Solid	DI Leach	
880-21169-17	C-58	Soluble	Solid	DI Leach	
880-21169-18	C-59	Soluble	Solid	DI Leach	
880-21169-19	C-60	Soluble	Solid	DI Leach	
880-21169-20	C-62	Soluble	Solid	DI Leach	
MB 880-38851/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38851/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38851/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21169-1 MS	C-33	Soluble	Solid	DI Leach	
880-21169-1 MSD	C-33	Soluble	Solid	DI Leach	
880-21169-11 MS	C-45	Soluble	Solid	DI Leach	
880-21169-11 MSD	C-45	Soluble	Solid	DI Leach	

Leach Batch: 38852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-21	C-65	Soluble	Solid	DI Leach	
880-21169-22	C-68	Soluble	Solid	DI Leach	
880-21169-23	C-69	Soluble	Solid	DI Leach	
880-21169-24	C-70	Soluble	Solid	DI Leach	
880-21169-25	C-71	Soluble	Solid	DI Leach	
880-21169-26	C-73	Soluble	Solid	DI Leach	
880-21169-27	C-74	Soluble	Solid	DI Leach	
880-21169-28	C-75	Soluble	Solid	DI Leach	
880-21169-29	C-76	Soluble	Solid	DI Leach	
880-21169-30	C-78	Soluble	Solid	DI Leach	
880-21169-31	C-82	Soluble	Solid	DI Leach	
880-21169-32	C-83	Soluble	Solid	DI Leach	
880-21169-33	C-84	Soluble	Solid	DI Leach	
880-21169-34	C-85	Soluble	Solid	DI Leach	
880-21169-35	C-86	Soluble	Solid	DI Leach	
880-21169-36	C-87	Soluble	Solid	DI Leach	
880-21169-37	C-89	Soluble	Solid	DI Leach	
880-21169-38	C-90	Soluble	Solid	DI Leach	
MB 880-38852/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38852/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38852/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21169-21 MS	C-65	Soluble	Solid	DI Leach	
880-21169-21 MSD	C-65	Soluble	Solid	DI Leach	
880-21169-31 MS	C-82	Soluble	Solid	DI Leach	
880-21169-31 MSD	C-82	Soluble	Solid	DI Leach	

Analysis Batch: 39150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-1	C-33	Soluble	Solid	300.0	38851

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

HPLC/IC (Continued)

Analysis Batch: 39150 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-2	C-34	Soluble	Solid	300.0	38851
880-21169-3	C-35	Soluble	Solid	300.0	38851
880-21169-4	C-36	Soluble	Solid	300.0	38851
880-21169-5	C-37	Soluble	Solid	300.0	38851
880-21169-6	C-38	Soluble	Solid	300.0	38851
880-21169-7	C-41	Soluble	Solid	300.0	38851
880-21169-8	C-42	Soluble	Solid	300.0	38851
880-21169-9	C-43	Soluble	Solid	300.0	38851
880-21169-10	C-44	Soluble	Solid	300.0	38851
880-21169-11	C-45	Soluble	Solid	300.0	38851
880-21169-12	C-46	Soluble	Solid	300.0	38851
880-21169-13	C-47	Soluble	Solid	300.0	38851
880-21169-14	C-52	Soluble	Solid	300.0	38851
880-21169-15	C-56	Soluble	Solid	300.0	38851
880-21169-16	C-57	Soluble	Solid	300.0	38851
880-21169-17	C-58	Soluble	Solid	300.0	38851
880-21169-18	C-59	Soluble	Solid	300.0	38851
880-21169-19	C-60	Soluble	Solid	300.0	38851
880-21169-20	C-62	Soluble	Solid	300.0	38851
MB 880-38851/1-A	Method Blank	Soluble	Solid	300.0	38851
LCS 880-38851/2-A	Lab Control Sample	Soluble	Solid	300.0	38851
LCSD 880-38851/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38851
880-21169-1 MS	C-33	Soluble	Solid	300.0	38851
880-21169-1 MSD	C-33	Soluble	Solid	300.0	38851
880-21169-11 MS	C-45	Soluble	Solid	300.0	38851
880-21169-11 MSD	C-45	Soluble	Solid	300.0	38851

Analysis Batch: 39151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-21	C-65	Soluble	Solid	300.0	38852
880-21169-22	C-68	Soluble	Solid	300.0	38852
880-21169-23	C-69	Soluble	Solid	300.0	38852
880-21169-24	C-70	Soluble	Solid	300.0	38852
880-21169-25	C-71	Soluble	Solid	300.0	38852
880-21169-26	C-73	Soluble	Solid	300.0	38852
880-21169-27	C-74	Soluble	Solid	300.0	38852
880-21169-28	C-75	Soluble	Solid	300.0	38852
880-21169-29	C-76	Soluble	Solid	300.0	38852
880-21169-30	C-78	Soluble	Solid	300.0	38852
880-21169-31	C-82	Soluble	Solid	300.0	38852
880-21169-32	C-83	Soluble	Solid	300.0	38852
880-21169-33	C-84	Soluble	Solid	300.0	38852
880-21169-34	C-85	Soluble	Solid	300.0	38852
880-21169-35	C-86	Soluble	Solid	300.0	38852
880-21169-36	C-87	Soluble	Solid	300.0	38852
880-21169-37	C-89	Soluble	Solid	300.0	38852
880-21169-38	C-90	Soluble	Solid	300.0	38852
MB 880-38852/1-A	Method Blank	Soluble	Solid	300.0	38852
LCS 880-38852/2-A	Lab Control Sample	Soluble	Solid	300.0	38852
LCSD 880-38852/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38852
880-21169-21 MS	C-65	Soluble	Solid	300.0	38852

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

HPLC/IC (Continued)

Analysis Batch: 39151 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21169-21 MSD	C-65	Soluble	Solid	300.0	38852
880-21169-31 MS	C-82	Soluble	Solid	300.0	38852
880-21169-31 MSD	C-82	Soluble	Solid	300.0	38852

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-33

Lab Sample ID: 880-21169-1

Date Collected: 10/31/22 12:51

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	39013	11/09/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		2	5 mL	5 mL	39086	11/10/22 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 16:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 11:47	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		10			39150	11/11/22 01:49	CH	EET MID

Client Sample ID: C-34

Lab Sample ID: 880-21169-2

Date Collected: 10/31/22 12:54

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 12:51	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 02:11	CH	EET MID

Client Sample ID: C-35

Lab Sample ID: 880-21169-3

Date Collected: 10/31/22 12:51

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 13:12	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 02:18	CH	EET MID

Client Sample ID: C-36

Lab Sample ID: 880-21169-4

Date Collected: 10/31/22 13:01

Matrix: Solid

Date Received: 11/04/22 16:20

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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-36

Lab Sample ID: 880-21169-4

Date Collected: 10/31/22 13:01

Matrix: Solid

Date Received: 11/04/22 16:20

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			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 13:33	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 02:25	CH	EET MID

Client Sample ID: C-37

Lab Sample ID: 880-21169-5

Date Collected: 10/31/22 13:03

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 14:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 13:55	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 02:32	CH	EET MID

Client Sample ID: C-38

Lab Sample ID: 880-21169-6

Date Collected: 10/31/22 13:07

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 14:16	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 02:53	CH	EET MID

Client Sample ID: C-41

Lab Sample ID: 880-21169-7

Date Collected: 10/31/22 14:49

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 15:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 14:38	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-41

Lab Sample ID: 880-21169-7

Date Collected: 10/31/22 14:49

Matrix: Solid

Date Received: 11/04/22 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 03:00	CH	EET MID

Client Sample ID: C-42

Lab Sample ID: 880-21169-8

Date Collected: 10/31/22 14:54

Matrix: Solid

Date Received: 11/04/22 16:20

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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 15:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 14:59	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 03:08	CH	EET MID

Client Sample ID: C-43

Lab Sample ID: 880-21169-9

Date Collected: 10/31/22 14:57

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 15:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 15:21	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 03:15	CH	EET MID

Client Sample ID: C-44

Lab Sample ID: 880-21169-10

Date Collected: 10/31/22 15:00

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 16:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 15:43	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		5			39150	11/11/22 03:22	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-45

Lab Sample ID: 880-21169-11

Date Collected: 10/31/22 15:02

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 16:31	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		5			39150	11/11/22 03:29	CH	EET MID

Client Sample ID: C-46

Lab Sample ID: 880-21169-12

Date Collected: 10/31/22 15:05

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 16:52	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 03:50	CH	EET MID

Client Sample ID: C-47

Lab Sample ID: 880-21169-13

Date Collected: 10/31/22 15:07

Matrix: Solid

Date Received: 11/04/22 16:20

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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 17:14	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		5			39150	11/11/22 03:58	CH	EET MID

Client Sample ID: C-52

Lab Sample ID: 880-21169-14

Date Collected: 10/31/22 15:22

Matrix: Solid

Date Received: 11/04/22 16:20

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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-52

Lab Sample ID: 880-21169-14

Date Collected: 10/31/22 15:22

Matrix: Solid

Date Received: 11/04/22 16:20

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			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 17:35	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		5			39150	11/11/22 04:19	CH	EET MID

Client Sample ID: C-56

Lab Sample ID: 880-21169-15

Date Collected: 11/01/22 08:53

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 17:56	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 04:26	CH	EET MID

Client Sample ID: C-57

Lab Sample ID: 880-21169-16

Date Collected: 11/01/22 09:06

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38969	11/08/22 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39060	11/09/22 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 11:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 18:18	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 04:33	CH	EET MID

Client Sample ID: C-58

Lab Sample ID: 880-21169-17

Date Collected: 11/01/22 09:09

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39341	11/12/22 08:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 18:39	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-58

Lab Sample ID: 880-21169-17

Date Collected: 11/01/22 09:09

Matrix: Solid

Date Received: 11/04/22 16:20

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	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 04:40	CH	EET MID

Client Sample ID: C-59

Lab Sample ID: 880-21169-18

Date Collected: 11/01/22 09:12

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39341	11/12/22 08:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 19:00	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 04:47	CH	EET MID

Client Sample ID: C-60

Lab Sample ID: 880-21169-19

Date Collected: 11/01/22 09:14

Matrix: Solid

Date Received: 11/04/22 16:20

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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39341	11/12/22 09:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 19:21	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 04:55	CH	EET MID

Client Sample ID: C-62

Lab Sample ID: 880-21169-20

Date Collected: 11/01/22 09:20

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	39027	11/08/22 16:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39341	11/12/22 09:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/14/22 11:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/09/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38815	11/07/22 08:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/08/22 19:42	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38851	11/07/22 10:45	KS	EET MID
Soluble	Analysis	300.0		1			39150	11/11/22 05:02	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-65

Lab Sample ID: 880-21169-21

Date Collected: 11/01/22 09:33

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 02:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 11:28	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 14:31	CH	EET MID

Client Sample ID: C-68

Lab Sample ID: 880-21169-22

Date Collected: 11/01/22 09:41

Matrix: Solid

Date Received: 11/04/22 16:20

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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 02:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 12:33	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 14:53	CH	EET MID

Client Sample ID: C-69

Lab Sample ID: 880-21169-23

Date Collected: 11/01/22 09:44

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 03:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 12:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 15:00	CH	EET MID

Client Sample ID: C-70

Lab Sample ID: 880-21169-24

Date Collected: 11/01/22 09:48

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 03:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-70

Lab Sample ID: 880-21169-24

Date Collected: 11/01/22 09:48

Matrix: Solid

Date Received: 11/04/22 16:20

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			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 13:16	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 15:07	CH	EET MID

Client Sample ID: C-71

Lab Sample ID: 880-21169-25

Date Collected: 11/01/22 09:51

Matrix: Solid

Date Received: 11/04/22 16:20

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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 03:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 13:38	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 15:14	CH	EET MID

Client Sample ID: C-73

Lab Sample ID: 880-21169-26

Date Collected: 11/01/22 10:02

Matrix: Solid

Date Received: 11/04/22 16:20

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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 04:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 13:59	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 18:18	CH	EET MID

Client Sample ID: C-74

Lab Sample ID: 880-21169-27

Date Collected: 11/01/22 10:08

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 04:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 14:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-74

Lab Sample ID: 880-21169-27

Date Collected: 11/01/22 10:08

Matrix: Solid

Date Received: 11/04/22 16:20

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	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 18:25	CH	EET MID

Client Sample ID: C-75

Lab Sample ID: 880-21169-28

Date Collected: 11/01/22 10:13

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 05:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 14:43	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 18:32	CH	EET MID

Client Sample ID: C-76

Lab Sample ID: 880-21169-29

Date Collected: 11/01/22 10:17

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 05:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 15:04	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 18:39	CH	EET MID

Client Sample ID: C-78

Lab Sample ID: 880-21169-30

Date Collected: 11/01/22 10:30

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 06:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 15:26	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 18:46	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-82

Lab Sample ID: 880-21169-31

Date Collected: 11/01/22 10:50

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	39177	11/10/22 08:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39277	11/11/22 20:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/14/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 16:09	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 18:53	CH	EET MID

Client Sample ID: C-83

Lab Sample ID: 880-21169-32

Date Collected: 11/01/22 10:53

Matrix: Solid

Date Received: 11/04/22 16:20

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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 08:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 16:31	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 19:15	CH	EET MID

Client Sample ID: C-84

Lab Sample ID: 880-21169-33

Date Collected: 11/01/22 10:57

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 09:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 16:52	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 19:22	CH	EET MID

Client Sample ID: C-85

Lab Sample ID: 880-21169-34

Date Collected: 11/01/22 11:01

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 09:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-85

Lab Sample ID: 880-21169-34

Date Collected: 11/01/22 11:01

Matrix: Solid

Date Received: 11/04/22 16:20

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			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 17:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 19:43	CH	EET MID

Client Sample ID: C-86

Lab Sample ID: 880-21169-35

Date Collected: 11/01/22 11:07

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 09:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 17:34	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 19:51	CH	EET MID

Client Sample ID: C-87

Lab Sample ID: 880-21169-36

Date Collected: 11/01/22 11:10

Matrix: Solid

Date Received: 11/04/22 16:20

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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 10:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 17:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 19:58	CH	EET MID

Client Sample ID: C-89

Lab Sample ID: 880-21169-37

Date Collected: 11/01/22 11:38

Matrix: Solid

Date Received: 11/04/22 16:20

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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 10:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 18:18	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Client Sample ID: C-89

Lab Sample ID: 880-21169-37

Date Collected: 11/01/22 11:38

Matrix: Solid

Date Received: 11/04/22 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 20:05	CH	EET MID

Client Sample ID: C-90

Lab Sample ID: 880-21169-38

Date Collected: 11/01/22 11:41

Matrix: Solid

Date Received: 11/04/22 16:20

Prep 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	38970	11/08/22 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39061	11/10/22 11:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39217	11/10/22 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			38994	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38816	11/07/22 09:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 18:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	38852	11/07/22 10:46	KS	EET MID
Soluble	Analysis	300.0		1			39151	11/11/22 20:12	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: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

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: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Hayburst pond 2 (HHP2)

Job ID: 880-21169-1
SDG: 22-0102-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21169-1	C-33	Solid	10/31/22 12:51	11/04/22 16:20
880-21169-2	C-34	Solid	10/31/22 12:54	11/04/22 16:20
880-21169-3	C-35	Solid	10/31/22 12:51	11/04/22 16:20
880-21169-4	C-36	Solid	10/31/22 13:01	11/04/22 16:20
880-21169-5	C-37	Solid	10/31/22 13:03	11/04/22 16:20
880-21169-6	C-38	Solid	10/31/22 13:07	11/04/22 16:20
880-21169-7	C-41	Solid	10/31/22 14:49	11/04/22 16:20
880-21169-8	C-42	Solid	10/31/22 14:54	11/04/22 16:20
880-21169-9	C-43	Solid	10/31/22 14:57	11/04/22 16:20
880-21169-10	C-44	Solid	10/31/22 15:00	11/04/22 16:20
880-21169-11	C-45	Solid	10/31/22 15:02	11/04/22 16:20
880-21169-12	C-46	Solid	10/31/22 15:05	11/04/22 16:20
880-21169-13	C-47	Solid	10/31/22 15:07	11/04/22 16:20
880-21169-14	C-52	Solid	10/31/22 15:22	11/04/22 16:20
880-21169-15	C-56	Solid	11/01/22 08:53	11/04/22 16:20
880-21169-16	C-57	Solid	11/01/22 09:06	11/04/22 16:20
880-21169-17	C-58	Solid	11/01/22 09:09	11/04/22 16:20
880-21169-18	C-59	Solid	11/01/22 09:12	11/04/22 16:20
880-21169-19	C-60	Solid	11/01/22 09:14	11/04/22 16:20
880-21169-20	C-62	Solid	11/01/22 09:20	11/04/22 16:20
880-21169-21	C-65	Solid	11/01/22 09:33	11/04/22 16:20
880-21169-22	C-68	Solid	11/01/22 09:41	11/04/22 16:20
880-21169-23	C-69	Solid	11/01/22 09:44	11/04/22 16:20
880-21169-24	C-70	Solid	11/01/22 09:48	11/04/22 16:20
880-21169-25	C-71	Solid	11/01/22 09:51	11/04/22 16:20
880-21169-26	C-73	Solid	11/01/22 10:02	11/04/22 16:20
880-21169-27	C-74	Solid	11/01/22 10:08	11/04/22 16:20
880-21169-28	C-75	Solid	11/01/22 10:13	11/04/22 16:20
880-21169-29	C-76	Solid	11/01/22 10:17	11/04/22 16:20
880-21169-30	C-78	Solid	11/01/22 10:30	11/04/22 16:20
880-21169-31	C-82	Solid	11/01/22 10:50	11/04/22 16:20
880-21169-32	C-83	Solid	11/01/22 10:53	11/04/22 16:20
880-21169-33	C-84	Solid	11/01/22 10:57	11/04/22 16:20
880-21169-34	C-85	Solid	11/01/22 11:01	11/04/22 16:20
880-21169-35	C-86	Solid	11/01/22 11:07	11/04/22 16:20
880-21169-36	C-87	Solid	11/01/22 11:10	11/04/22 16:20
880-21169-37	C-89	Solid	11/01/22 11:38	11/04/22 16:20
880-21169-38	C-90	Solid	11/01/22 11:41	11/04/22 16:20

11/14/2022

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Varson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 202
Midland, TX 79701
432-687-0901

CHAIN-OF-CUSTODY

21169 No. 2809

Data Reported to

DATE: 11/14/2022 PAGE 2 OF 3
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Hughes Road & CHHRA
LAI PROJECT #: 120007-01 COLLECTOR: AB

TRRP report?
☐ Yes ☒ No

S=SOIL
W=WATER
A=AIR
P=PAINT
SL=SLUDGE
OT=OTHER

TIME ZONE
Time zone/State

Field
Sample I D

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

PRESERVATION

ANALYSES

BTEX ☐

TRPH 418 1 ☐

GASOLINE MOD 8015 ☐

DIESEL - MOD 8015 ☐

OIL - MOD 8015 ☐

VOC 8230 ☐

SVOC 8270 ☐

8081 PESTICIDES ☐

8082 PESTICIDES ☐

TCLP - PCBs ☐

TCLP - METALS (RCRA) ☐

TCLP - PEST ☐

TOTAL METALS (RCRA) ☐

LEAD - TOTAL ☐

RCI ☐

TDS ☐

pH ☐

EXPLOSIVES ☐

CHLORIDES ☐

ANIONS ☐

ALKALINITY ☐

FIELD NOTES

TOTAL

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 50/47 THERM# 100-30
CUSTODY SEALS - ☐ BROKEN ☐ CONTACT ☐ NOT USED
CARRIER BILL # _____
☒ HAND DELIVERED

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

LABORATORY Ken

LABORATORY USE ONLY:
RECEIVING TEMP 50/47 THERM# 100-30
CUSTODY SEALS - ☐ BROKEN ☐ CONTACT ☐ NOT USED
CARRIER BILL # _____
☒ HAND DELIVERED

11/14/2022

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-21169-1

SDG Number: 22-0102-01

Login Number: 21169**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 11/28/2022 5:14:01 PM

JOB DESCRIPTION

Breakwater-Hayburst Pond (HHP)
SDG NUMBER 22-0107-01

JOB NUMBER

880-21721-1

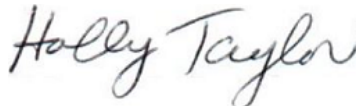
Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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
11/28/2022 5:14:01 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Laboratory Job ID: 880-21721-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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.

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.
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: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Job ID: 880-21721-1

Laboratory: Eurofins Midland

Narrative**Job Narrative
880-21721-1****Receipt**

The samples were received on 11/17/2022 10:33 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -4.1° C.

Receipt Exceptions

The following samples were received and analyzed from a bulk soil jar: C-91, 3' (880-21721-1), C-94, 3' (880-21721-2), C-93, 3' (880-21721-3), C-100, 3' (880-21721-4), SW-10, 0-3' (880-21721-5), C-96, 3' (880-21721-6), C-97, 3' (880-21721-7), C-101, 3' (880-21721-8) and C-102, 3' (880-21721-9).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39813 and analytical batch 880-39786 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-21718-A-21-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Benzene biased low in LCSD. Since only an acceptable LCS is required per the method, the data has been qualified and reported.
(LCSD 880-39813/2-A)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39820 and analytical batch 880-39825 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39818 and analytical batch 880-39916 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-21721-A-5-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39818 and analytical batch 880-39916 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.

GC Semi VOA

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: C-91, 3' (880-21721-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-39814 and analytical batch 880-39762 was outside control limits. Sample non-homogeneity is suspected.

Method 8015B NM: CCV biased high for diesel range hydrocarbons, however an acceptable CCV was analyzed within the 12 hour window, therefore data was qualified and reported.
(CCV 880-39762/47)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Job ID: 880-21721-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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.

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Client Sample ID: C-91, 3'

Lab Sample ID: 880-21721-1

Date Collected: 11/11/22 11:17

Matrix: Solid

Date Received: 11/17/22 10:33

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201	mg/Kg		11/17/22 12:44	11/18/22 10:16	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/17/22 12:44	11/18/22 10:16	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/17/22 12:44	11/18/22 10:16	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/17/22 12:44	11/18/22 10:16	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/17/22 12:44	11/18/22 10:16	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/17/22 12:44	11/18/22 10:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	11/17/22 12:44	11/18/22 10:16	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/17/22 12:44	11/18/22 10:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/18/22 11:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/17/22 16:00	11/18/22 03:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/17/22 16:00	11/18/22 03:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/17/22 16:00	11/18/22 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	136	S1+	70 - 130	11/17/22 16:00	11/18/22 03:03	1
o-Terphenyl (Surr)	121		70 - 130	11/17/22 16:00	11/18/22 03:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		4.98	mg/Kg			11/18/22 14:35	1

Client Sample ID: C-94, 3'

Lab Sample ID: 880-21721-2

Date Collected: 11/11/22 11:30

Matrix: Solid

Date Received: 11/17/22 10:33

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200	mg/Kg		11/17/22 12:44	11/18/22 10:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 12:44	11/18/22 10:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 12:44	11/18/22 10:36	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/17/22 12:44	11/18/22 10:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 12:44	11/18/22 10:36	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/22 12:44	11/18/22 10:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	11/17/22 12:44	11/18/22 10:36	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/17/22 12:44	11/18/22 10:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Client Sample ID: C-94, 3'

Lab Sample ID: 880-21721-2

Date Collected: 11/11/22 11:30

Matrix: Solid

Date Received: 11/17/22 10:33

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/18/22 11:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/17/22 16:00	11/18/22 03:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/17/22 16:00	11/18/22 03:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/17/22 16:00	11/18/22 03:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			11/17/22 16:00	11/18/22 03:25	1
o-Terphenyl (Surr)	105		70 - 130			11/17/22 16:00	11/18/22 03:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.5		5.03	mg/Kg			11/18/22 14:52	1

Client Sample ID: C-93, 3'

Lab Sample ID: 880-21721-3

Date Collected: 11/11/22 11:32

Matrix: Solid

Date Received: 11/17/22 10:33

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199	mg/Kg		11/17/22 12:44	11/18/22 10:57	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 12:44	11/18/22 10:57	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 12:44	11/18/22 10:57	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 12:44	11/18/22 10:57	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 12:44	11/18/22 10:57	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 12:44	11/18/22 10:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			11/17/22 12:44	11/18/22 10:57	1
1,4-Difluorobenzene (Surr)	113		70 - 130			11/17/22 12:44	11/18/22 10:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/18/22 11:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/17/22 16:00	11/18/22 03:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/17/22 16:00	11/18/22 03:46	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Client Sample ID: C-93, 3'

Lab Sample ID: 880-21721-3

Date Collected: 11/11/22 11:32

Matrix: Solid

Date Received: 11/17/22 10:33

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/17/22 16:00	11/18/22 03:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			11/17/22 16:00	11/18/22 03:46	1
o-Terphenyl (Surr)	97		70 - 130			11/17/22 16:00	11/18/22 03:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		5.00	mg/Kg			11/18/22 14:58	1

Client Sample ID: C-100, 3'

Lab Sample ID: 880-21721-4

Date Collected: 11/11/22 13:32

Matrix: Solid

Date Received: 11/17/22 10:33

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200	mg/Kg		11/17/22 12:44	11/18/22 11:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 12:44	11/18/22 11:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 12:44	11/18/22 11:17	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/17/22 12:44	11/18/22 11:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 12:44	11/18/22 11:17	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/17/22 12:44	11/18/22 11:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			11/17/22 12:44	11/18/22 11:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130			11/17/22 12:44	11/18/22 11:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/28/22 16:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/17/22 16:00	11/18/22 04:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/17/22 16:00	11/18/22 04:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/17/22 16:00	11/18/22 04:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130			11/17/22 16:00	11/18/22 04:08	1
o-Terphenyl (Surr)	116		70 - 130			11/17/22 16:00	11/18/22 04:08	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			11/18/22 15:04	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Client Sample ID: SW-10, 0-3'

Lab Sample ID: 880-21721-5

Date Collected: 11/11/22 11:40

Matrix: Solid

Date Received: 11/17/22 10:33

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		11/17/22 13:46	11/18/22 15:11	1
Toluene	<0.00201	U F1	0.00201	mg/Kg		11/17/22 13:46	11/18/22 15:11	1
Ethylbenzene	<0.00201	U F1	0.00201	mg/Kg		11/17/22 13:46	11/18/22 15:11	1
m,p-Xylenes	<0.00402	U F1	0.00402	mg/Kg		11/17/22 13:46	11/18/22 15:11	1
o-Xylene	<0.00201	U F1	0.00201	mg/Kg		11/17/22 13:46	11/18/22 15:11	1
Xylenes, Total	<0.00402	U F1	0.00402	mg/Kg		11/17/22 13:46	11/18/22 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	11/17/22 13:46	11/18/22 15:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/17/22 13:46	11/18/22 15:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/18/22 15:49	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/17/22 16:00	11/18/22 04:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/17/22 16:00	11/18/22 04:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/17/22 16:00	11/18/22 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	11/17/22 16:00	11/18/22 04:30	1
o-Terphenyl (Surr)	102		70 - 130	11/17/22 16:00	11/18/22 04:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	473		24.9	mg/Kg			11/18/22 15:09	5

Client Sample ID: C-96, 3'

Lab Sample ID: 880-21721-6

Date Collected: 11/11/22 11:40

Matrix: Solid

Date Received: 11/17/22 10:33

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 13:46	11/18/22 15:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 13:46	11/18/22 15:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 13:46	11/18/22 15:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 13:46	11/18/22 15:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 13:46	11/18/22 15:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 13:46	11/18/22 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	11/17/22 13:46	11/18/22 15:31	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/17/22 13:46	11/18/22 15:31	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Client Sample ID: C-96, 3'

Lab Sample ID: 880-21721-6

Date Collected: 11/11/22 11:40

Matrix: Solid

Date Received: 11/17/22 10:33

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/18/22 15:49	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/17/22 13:58	11/18/22 04:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/17/22 13:58	11/18/22 04:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/17/22 13:58	11/18/22 04:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			11/17/22 13:58	11/18/22 04:08	1
o-Terphenyl (Surr)	117		70 - 130			11/17/22 13:58	11/18/22 04:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.3		5.05	mg/Kg			11/18/22 15:26	1

Client Sample ID: C-97, 3'

Lab Sample ID: 880-21721-7

Date Collected: 11/11/22 11:42

Matrix: Solid

Date Received: 11/17/22 10:33

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 13:46	11/18/22 15:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 13:46	11/18/22 15:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 13:46	11/18/22 15:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 13:46	11/18/22 15:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 13:46	11/18/22 15:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 13:46	11/18/22 15:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			11/17/22 13:46	11/18/22 15:52	1
1,4-Difluorobenzene (Surr)	109		70 - 130			11/17/22 13:46	11/18/22 15:52	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			11/18/22 16:46	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/17/22 13:58	11/18/22 04:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/17/22 13:58	11/18/22 04:30	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Client Sample ID: C-97, 3'

Lab Sample ID: 880-21721-7

Date Collected: 11/11/22 11:42

Matrix: Solid

Date Received: 11/17/22 10:33

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/17/22 13:58	11/18/22 04:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			11/17/22 13:58	11/18/22 04:30	1
o-Terphenyl (Surr)	109		70 - 130			11/17/22 13:58	11/18/22 04:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.9		5.04	mg/Kg			11/18/22 15:32	1

Client Sample ID: C-101, 3'

Lab Sample ID: 880-21721-8

Date Collected: 11/11/22 12:40

Matrix: Solid

Date Received: 11/17/22 10:33

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F2 F1	0.00202	mg/Kg		11/17/22 13:49	11/18/22 11:42	1
Toluene	<0.00202	U F2 F1	0.00202	mg/Kg		11/17/22 13:49	11/18/22 11:42	1
Ethylbenzene	<0.00202	U F2 F1	0.00202	mg/Kg		11/17/22 13:49	11/18/22 11:42	1
m,p-Xylenes	<0.00403	U F2 F1	0.00403	mg/Kg		11/17/22 13:49	11/18/22 11:42	1
o-Xylene	<0.00202	U F2 F1	0.00202	mg/Kg		11/17/22 13:49	11/18/22 11:42	1
Xylenes, Total	<0.00403	U F2 F1	0.00403	mg/Kg		11/17/22 13:49	11/18/22 11:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			11/17/22 13:49	11/18/22 11:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130			11/17/22 13:49	11/18/22 11:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			11/18/22 14:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/17/22 12:51	11/18/22 04:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/17/22 12:51	11/18/22 04:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/17/22 12:51	11/18/22 04:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			11/17/22 12:51	11/18/22 04:52	1
o-Terphenyl (Surr)	117		70 - 130			11/17/22 12:51	11/18/22 04:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	730		5.02	mg/Kg			11/18/22 15:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Client Sample ID: C-102, 3'

Lab Sample ID: 880-21721-9

Date Collected: 11/11/22 12:40

Matrix: Solid

Date Received: 11/17/22 10:33

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:49	11/18/22 12:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:49	11/18/22 12:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:49	11/18/22 12:02	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/17/22 13:49	11/18/22 12:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:49	11/18/22 12:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/22 13:49	11/18/22 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	11/17/22 13:49	11/18/22 12:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/17/22 13:49	11/18/22 12:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/18/22 14:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/17/22 12:51	11/18/22 05:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/17/22 12:51	11/18/22 05:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/17/22 12:51	11/18/22 05:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130	11/17/22 12:51	11/18/22 05:14	1
o-Terphenyl (Surr)	123		70 - 130	11/17/22 12:51	11/18/22 05:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		25.1	mg/Kg			11/18/22 15:43	5

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

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)
880-21721-1	C-91, 3'	79	103
880-21721-2	C-94, 3'	77	103
880-21721-3	C-93, 3'	82	113
880-21721-4	C-100, 3'	93	101
880-21721-5	SW-10, 0-3'	75	100
880-21721-5 MS	SW-10, 0-3'	80	93
880-21721-5 MSD	SW-10, 0-3'	65 S1-	102
880-21721-6	C-96, 3'	86	105
880-21721-7	C-97, 3'	91	109
880-21721-8	C-101, 3'	97	101
880-21721-8 MS	C-101, 3'	104	101
880-21721-8 MSD	C-101, 3'	100	118
880-21721-9	C-102, 3'	102	98
LCS 880-39813/1-A	Lab Control Sample	95	107
LCS 880-39818/1-A	Lab Control Sample	91	101
LCS 880-39820/1-A	Lab Control Sample	84	116
LCSD 880-39813/2-A	Lab Control Sample Dup	70	95
LCSD 880-39818/2-A	Lab Control Sample Dup	91	103
LCSD 880-39820/2-A	Lab Control Sample Dup	93	117
MB 880-39780/5-A	Method Blank	81	100
MB 880-39813/5-A	Method Blank	75	104
MB 880-39818/5-A	Method Blank	76	106
MB 880-39820/5-A	Method Blank	83	98
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-21721-1	C-91, 3'	136 S1+	121
880-21721-2	C-94, 3'	113	105
880-21721-3	C-93, 3'	109	97
880-21721-4	C-100, 3'	125	116
880-21721-5	SW-10, 0-3'	108	102
880-21721-6	C-96, 3'	111	117
880-21721-7	C-97, 3'	104	109
880-21721-8	C-101, 3'	119	117
880-21721-9	C-102, 3'	127	123
LCS 880-39814/2-A	Lab Control Sample	111	107
LCS 880-39823/2-A	Lab Control Sample	110	120
LCSD 880-39814/3-A	Lab Control Sample Dup	98	105
LCSD 880-39823/3-A	Lab Control Sample Dup	109	118
MB 880-39814/1-A	Method Blank	95	99
MB 880-39823/1-A	Method Blank	98	107
Surrogate Legend			

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)
1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

Job ID: 880-21721-1
SDG: 22-0107-01

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39780/5-A

Matrix: Solid

Analysis Batch: 39786

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39780

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 10:35	11/17/22 14:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 10:35	11/17/22 14:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 10:35	11/17/22 14:48	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/17/22 10:35	11/17/22 14:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 10:35	11/17/22 14:48	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/22 10:35	11/17/22 14:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	11/17/22 10:35	11/17/22 14:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/17/22 10:35	11/17/22 14:48	1

Lab Sample ID: MB 880-39813/5-A

Matrix: Solid

Analysis Batch: 39786

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39813

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 12:44	11/18/22 02:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 12:44	11/18/22 02:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 12:44	11/18/22 02:22	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/17/22 12:44	11/18/22 02:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 12:44	11/18/22 02:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/22 12:44	11/18/22 02:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	11/17/22 12:44	11/18/22 02:22	1
1,4-Difluorobenzene (Surr)	104		70 - 130	11/17/22 12:44	11/18/22 02:22	1

Lab Sample ID: LCS 880-39813/1-A

Matrix: Solid

Analysis Batch: 39786

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08797		mg/Kg		88	70 - 130
Toluene	0.100	0.1054		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130
m,p-Xylenes	0.200	0.1892		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09392		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-39813/2-A

Matrix: Solid

Analysis Batch: 39786

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39813

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.06623	*-	mg/Kg		66	70 - 130	28	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-39813/2-A

Matrix: Solid

Analysis Batch: 39786

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39813

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08448		mg/Kg		84	70 - 130	22	35
Ethylbenzene	0.100	0.08458		mg/Kg		85	70 - 130	21	35
m,p-Xylenes	0.200	0.1516		mg/Kg		76	70 - 130	22	35
o-Xylene	0.100	0.07332		mg/Kg		73	70 - 130	25	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	70		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-39818/5-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39818

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:46	11/18/22 14:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:46	11/18/22 14:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:46	11/18/22 14:42	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/17/22 13:46	11/18/22 14:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:46	11/18/22 14:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/22 13:46	11/18/22 14:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	11/17/22 13:46	11/18/22 14:42	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/17/22 13:46	11/18/22 14:42	1

Lab Sample ID: LCS 880-39818/1-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09165		mg/Kg		92	70 - 130
Toluene	0.100	0.1004		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09975		mg/Kg		100	70 - 130
m,p-Xylenes	0.200	0.1810		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08790		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-39818/2-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39818

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08783		mg/Kg		88	70 - 130	4	35
Toluene	0.100	0.1024		mg/Kg		102	70 - 130	2	35
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130	2	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-39818/2-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39818

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	0.200	0.1881		mg/Kg		94	70 - 130	4	35
o-Xylene	0.100	0.09190		mg/Kg		92	70 - 130	4	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	91		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: 880-21721-5 MS

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: SW-10, 0-3'

Prep Type: Total/NA

Prep Batch: 39818

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00201	U F1	0.0996	0.05107	F1	mg/Kg		51	70 - 130		
Toluene	<0.00201	U F1	0.0996	0.06824	F1	mg/Kg		69	70 - 130		
Ethylbenzene	<0.00201	U F1	0.0996	0.06774	F1	mg/Kg		68	70 - 130		
m,p-Xylenes	<0.00402	U F1	0.199	0.1252	F1	mg/Kg		62	70 - 130		
o-Xylene	<0.00201	U F1	0.0996	0.06293	F1	mg/Kg		62	70 - 130		

Lab Sample ID: 880-21721-5 MSD

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: SW-10, 0-3'

Prep Type: Total/NA

Prep Batch: 39818

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.101	0.06193	F1	mg/Kg		61	70 - 130	19	35
Toluene	<0.00201	U F1	0.101	0.06521	F1	mg/Kg		65	70 - 130	5	35
Ethylbenzene	<0.00201	U F1	0.101	0.06545	F1	mg/Kg		65	70 - 130	3	35
m,p-Xylenes	<0.00402	U F1	0.202	0.1127	F1	mg/Kg		55	70 - 130	10	35
o-Xylene	<0.00201	U F1	0.101	0.05544	F1	mg/Kg		54	70 - 130	13	35

Lab Sample ID: MB 880-39820/5-A

Matrix: Solid

Analysis Batch: 39825

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39820

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:49	11/18/22 11:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:49	11/18/22 11:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:49	11/18/22 11:20	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/17/22 13:49	11/18/22 11:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:49	11/18/22 11:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/22 13:49	11/18/22 11:20	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	11/17/22 13:49	11/18/22 11:20	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/17/22 13:49	11/18/22 11:20	1

Lab Sample ID: LCS 880-39820/1-A

Matrix: Solid

Analysis Batch: 39825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1216		mg/Kg		122	70 - 130
Toluene	0.100	0.1016		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09404		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.1879		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09142		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: LCSD 880-39820/2-A

Matrix: Solid

Analysis Batch: 39825

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39820

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1176		mg/Kg		118	70 - 130	3	35
Toluene	0.100	0.09869		mg/Kg		99	70 - 130	3	35
Ethylbenzene	0.100	0.09478		mg/Kg		95	70 - 130	1	35
m,p-Xylenes	0.200	0.1941		mg/Kg		97	70 - 130	3	35
o-Xylene	0.100	0.09469		mg/Kg		95	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: 880-21721-8 MS

Matrix: Solid

Analysis Batch: 39825

Client Sample ID: C-101, 3'

Prep Type: Total/NA

Prep Batch: 39820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F2 F1	0.100	0.04045	F1	mg/Kg		40	70 - 130
Toluene	<0.00202	U F2 F1	0.100	0.03894	F1	mg/Kg		39	70 - 130
Ethylbenzene	<0.00202	U F2 F1	0.100	0.03955	F1	mg/Kg		39	70 - 130
m,p-Xylenes	<0.00403	U F2 F1	0.201	0.07744	F1	mg/Kg		39	70 - 130
o-Xylene	<0.00202	U F2 F1	0.100	0.03721	F1	mg/Kg		37	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-21721-8 MSD

Matrix: Solid

Analysis Batch: 39825

Client Sample ID: C-101, 3'

Prep Type: Total/NA

Prep Batch: 39820

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F2 F1	0.0990	0.07289	F2	mg/Kg		74	70 - 130	57	35
Toluene	<0.00202	U F2 F1	0.0990	0.06065	F2 F1	mg/Kg		61	70 - 130	44	35
Ethylbenzene	<0.00202	U F2 F1	0.0990	0.05864	F2 F1	mg/Kg		59	70 - 130	39	35
m,p-Xylenes	<0.00403	U F2 F1	0.198	0.1184	F2 F1	mg/Kg		60	70 - 130	42	35
o-Xylene	<0.00202	U F2 F1	0.0990	0.05808	F2 F1	mg/Kg		59	70 - 130	44	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	118		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-39814/1-A

Matrix: Solid

Analysis Batch: 39762

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39814

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/17/22 12:51	11/17/22 20:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/17/22 12:51	11/17/22 20:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/17/22 12:51	11/17/22 20:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			11/17/22 12:51	11/17/22 20:09	1
o-Terphenyl (Surr)	99		70 - 130			11/17/22 12:51	11/17/22 20:09	1

Lab Sample ID: LCS 880-39814/2-A

Matrix: Solid

Analysis Batch: 39762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39814

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	845.4		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	952.4		mg/Kg		95	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
1-Chlorooctane (Surr)	111		70 - 130					
o-Terphenyl (Surr)	107		70 - 130					

Lab Sample ID: LCSD 880-39814/3-A

Matrix: Solid

Analysis Batch: 39762

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39814

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	814.8		mg/Kg		81	70 - 130	4	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-39814/3-A

Matrix: Solid

Analysis Batch: 39762

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39814

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	930.8		mg/Kg		93	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	105		70 - 130

Lab Sample ID: MB 880-39823/1-A

Matrix: Solid

Analysis Batch: 39764

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39823

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/17/22 13:58	11/17/22 20:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/17/22 13:58	11/17/22 20:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/17/22 13:58	11/17/22 20:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	11/17/22 13:58	11/17/22 20:09	1
o-Terphenyl (Surr)	107		70 - 130	11/17/22 13:58	11/17/22 20:09	1

Lab Sample ID: LCS 880-39823/2-A

Matrix: Solid

Analysis Batch: 39764

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39823

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	908.1		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	994.5		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	120		70 - 130

Lab Sample ID: LCSD 880-39823/3-A

Matrix: Solid

Analysis Batch: 39764

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39823

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	910.7		mg/Kg		91	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	992.4		mg/Kg		99	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	118		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-39824/1-A

Matrix: Solid

Analysis Batch: 39920

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/18/22 14:18	1

Lab Sample ID: LCS 880-39824/2-A

Matrix: Solid

Analysis Batch: 39920

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.0		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-39824/3-A

Matrix: Solid

Analysis Batch: 39920

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	258.7		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-21721-1 MS

Matrix: Solid

Analysis Batch: 39920

Client Sample ID: C-91, 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	154		249	405.2		mg/Kg		101	90 - 110

Lab Sample ID: 880-21721-1 MSD

Matrix: Solid

Analysis Batch: 39920

Client Sample ID: C-91, 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	154		249	417.7		mg/Kg		106	90 - 110	3	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

GC VOA

Prep Batch: 39780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39780/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 39786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-1	C-91, 3'	Total/NA	Solid	8021B	39813
880-21721-2	C-94, 3'	Total/NA	Solid	8021B	39813
880-21721-3	C-93, 3'	Total/NA	Solid	8021B	39813
880-21721-4	C-100, 3'	Total/NA	Solid	8021B	39813
MB 880-39780/5-A	Method Blank	Total/NA	Solid	8021B	39780
MB 880-39813/5-A	Method Blank	Total/NA	Solid	8021B	39813
LCS 880-39813/1-A	Lab Control Sample	Total/NA	Solid	8021B	39813
LCSD 880-39813/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39813

Prep Batch: 39813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-1	C-91, 3'	Total/NA	Solid	5035	
880-21721-2	C-94, 3'	Total/NA	Solid	5035	
880-21721-3	C-93, 3'	Total/NA	Solid	5035	
880-21721-4	C-100, 3'	Total/NA	Solid	5035	
MB 880-39813/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39813/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39813/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 39818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-5	SW-10, 0-3'	Total/NA	Solid	5035	
880-21721-6	C-96, 3'	Total/NA	Solid	5035	
880-21721-7	C-97, 3'	Total/NA	Solid	5035	
MB 880-39818/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39818/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39818/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21721-5 MS	SW-10, 0-3'	Total/NA	Solid	5035	
880-21721-5 MSD	SW-10, 0-3'	Total/NA	Solid	5035	

Prep Batch: 39820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-8	C-101, 3'	Total/NA	Solid	5035	
880-21721-9	C-102, 3'	Total/NA	Solid	5035	
MB 880-39820/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39820/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39820/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21721-8 MS	C-101, 3'	Total/NA	Solid	5035	
880-21721-8 MSD	C-101, 3'	Total/NA	Solid	5035	

Analysis Batch: 39825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-8	C-101, 3'	Total/NA	Solid	8021B	39820
880-21721-9	C-102, 3'	Total/NA	Solid	8021B	39820
MB 880-39820/5-A	Method Blank	Total/NA	Solid	8021B	39820
LCS 880-39820/1-A	Lab Control Sample	Total/NA	Solid	8021B	39820
LCSD 880-39820/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39820

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 39825 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-8 MS	C-101, 3'	Total/NA	Solid	8021B	39820
880-21721-8 MSD	C-101, 3'	Total/NA	Solid	8021B	39820

Analysis Batch: 39915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-1	C-91, 3'	Total/NA	Solid	Total BTEX	
880-21721-2	C-94, 3'	Total/NA	Solid	Total BTEX	
880-21721-3	C-93, 3'	Total/NA	Solid	Total BTEX	
880-21721-4	C-100, 3'	Total/NA	Solid	Total BTEX	
880-21721-5	SW-10, 0-3'	Total/NA	Solid	Total BTEX	
880-21721-6	C-96, 3'	Total/NA	Solid	Total BTEX	
880-21721-7	C-97, 3'	Total/NA	Solid	Total BTEX	
880-21721-8	C-101, 3'	Total/NA	Solid	Total BTEX	
880-21721-9	C-102, 3'	Total/NA	Solid	Total BTEX	

Analysis Batch: 39916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-5	SW-10, 0-3'	Total/NA	Solid	8021B	39818
880-21721-6	C-96, 3'	Total/NA	Solid	8021B	39818
880-21721-7	C-97, 3'	Total/NA	Solid	8021B	39818
MB 880-39818/5-A	Method Blank	Total/NA	Solid	8021B	39818
LCS 880-39818/1-A	Lab Control Sample	Total/NA	Solid	8021B	39818
LCSD 880-39818/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39818
880-21721-5 MS	SW-10, 0-3'	Total/NA	Solid	8021B	39818
880-21721-5 MSD	SW-10, 0-3'	Total/NA	Solid	8021B	39818

GC Semi VOA

Analysis Batch: 39762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-1	C-91, 3'	Total/NA	Solid	8015B NM	39814
880-21721-2	C-94, 3'	Total/NA	Solid	8015B NM	39814
880-21721-3	C-93, 3'	Total/NA	Solid	8015B NM	39814
880-21721-4	C-100, 3'	Total/NA	Solid	8015B NM	39814
880-21721-5	SW-10, 0-3'	Total/NA	Solid	8015B NM	39814
880-21721-8	C-101, 3'	Total/NA	Solid	8015B NM	39814
880-21721-9	C-102, 3'	Total/NA	Solid	8015B NM	39814
MB 880-39814/1-A	Method Blank	Total/NA	Solid	8015B NM	39814
LCS 880-39814/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39814
LCSD 880-39814/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39814

Analysis Batch: 39764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-6	C-96, 3'	Total/NA	Solid	8015B NM	39823
880-21721-7	C-97, 3'	Total/NA	Solid	8015B NM	39823
MB 880-39823/1-A	Method Blank	Total/NA	Solid	8015B NM	39823
LCS 880-39823/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39823
LCSD 880-39823/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39823

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

GC Semi VOA

Prep Batch: 39814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-1	C-91, 3'	Total/NA	Solid	8015NM Prep	
880-21721-2	C-94, 3'	Total/NA	Solid	8015NM Prep	
880-21721-3	C-93, 3'	Total/NA	Solid	8015NM Prep	
880-21721-4	C-100, 3'	Total/NA	Solid	8015NM Prep	
880-21721-5	SW-10, 0-3'	Total/NA	Solid	8015NM Prep	
880-21721-8	C-101, 3'	Total/NA	Solid	8015NM Prep	
880-21721-9	C-102, 3'	Total/NA	Solid	8015NM Prep	
MB 880-39814/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39814/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39814/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 39823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-6	C-96, 3'	Total/NA	Solid	8015NM Prep	
880-21721-7	C-97, 3'	Total/NA	Solid	8015NM Prep	
MB 880-39823/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39823/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39823/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-1	C-91, 3'	Total/NA	Solid	8015 NM	
880-21721-2	C-94, 3'	Total/NA	Solid	8015 NM	
880-21721-3	C-93, 3'	Total/NA	Solid	8015 NM	
880-21721-4	C-100, 3'	Total/NA	Solid	8015 NM	
880-21721-5	SW-10, 0-3'	Total/NA	Solid	8015 NM	
880-21721-6	C-96, 3'	Total/NA	Solid	8015 NM	
880-21721-7	C-97, 3'	Total/NA	Solid	8015 NM	
880-21721-8	C-101, 3'	Total/NA	Solid	8015 NM	
880-21721-9	C-102, 3'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 39824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-1	C-91, 3'	Soluble	Solid	DI Leach	
880-21721-2	C-94, 3'	Soluble	Solid	DI Leach	
880-21721-3	C-93, 3'	Soluble	Solid	DI Leach	
880-21721-4	C-100, 3'	Soluble	Solid	DI Leach	
880-21721-5	SW-10, 0-3'	Soluble	Solid	DI Leach	
880-21721-6	C-96, 3'	Soluble	Solid	DI Leach	
880-21721-7	C-97, 3'	Soluble	Solid	DI Leach	
880-21721-8	C-101, 3'	Soluble	Solid	DI Leach	
880-21721-9	C-102, 3'	Soluble	Solid	DI Leach	
MB 880-39824/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39824/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39824/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21721-1 MS	C-91, 3'	Soluble	Solid	DI Leach	
880-21721-1 MSD	C-91, 3'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

HPLC/IC

Analysis Batch: 39920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21721-1	C-91, 3'	Soluble	Solid	300.0	39824
880-21721-2	C-94, 3'	Soluble	Solid	300.0	39824
880-21721-3	C-93, 3'	Soluble	Solid	300.0	39824
880-21721-4	C-100, 3'	Soluble	Solid	300.0	39824
880-21721-5	SW-10, 0-3'	Soluble	Solid	300.0	39824
880-21721-6	C-96, 3'	Soluble	Solid	300.0	39824
880-21721-7	C-97, 3'	Soluble	Solid	300.0	39824
880-21721-8	C-101, 3'	Soluble	Solid	300.0	39824
880-21721-9	C-102, 3'	Soluble	Solid	300.0	39824
MB 880-39824/1-A	Method Blank	Soluble	Solid	300.0	39824
LCS 880-39824/2-A	Lab Control Sample	Soluble	Solid	300.0	39824
LCSD 880-39824/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39824
880-21721-1 MS	C-91, 3'	Soluble	Solid	300.0	39824
880-21721-1 MSD	C-91, 3'	Soluble	Solid	300.0	39824

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Client Sample ID: C-91, 3'

Lab Sample ID: 880-21721-1

Date Collected: 11/11/22 11:17

Matrix: Solid

Date Received: 11/17/22 10:33

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	39813	11/17/22 12:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39786	11/18/22 10:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39915	11/18/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39906	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39814	11/17/22 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/18/22 03:03	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39824	11/17/22 14:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	39920	11/18/22 14:35	SMC	EET MID

Client Sample ID: C-94, 3'

Lab Sample ID: 880-21721-2

Date Collected: 11/11/22 11:30

Matrix: Solid

Date Received: 11/17/22 10:33

Prep 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	39813	11/17/22 12:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39786	11/18/22 10:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39915	11/18/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39906	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39814	11/17/22 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/18/22 03:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39824	11/17/22 14:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	39920	11/18/22 14:52	SMC	EET MID

Client Sample ID: C-93, 3'

Lab Sample ID: 880-21721-3

Date Collected: 11/11/22 11:32

Matrix: Solid

Date Received: 11/17/22 10:33

Prep 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	39813	11/17/22 12:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39786	11/18/22 10:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39915	11/18/22 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39906	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39814	11/17/22 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/18/22 03:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39824	11/17/22 14:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	39920	11/18/22 14:58	SMC	EET MID

Client Sample ID: C-100, 3'

Lab Sample ID: 880-21721-4

Date Collected: 11/11/22 13:32

Matrix: Solid

Date Received: 11/17/22 10:33

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	39813	11/17/22 12:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39786	11/18/22 11:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39915	11/28/22 16:26	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Client Sample ID: C-100, 3'

Lab Sample ID: 880-21721-4

Date Collected: 11/11/22 13:32

Matrix: Solid

Date Received: 11/17/22 10:33

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			39906	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39814	11/17/22 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/18/22 04:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39824	11/17/22 14:09	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	39920	11/18/22 15:04	SMC	EET MID

Client Sample ID: SW-10, 0-3'

Lab Sample ID: 880-21721-5

Date Collected: 11/11/22 11:40

Matrix: Solid

Date Received: 11/17/22 10:33

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	39818	11/17/22 13:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/18/22 15:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39915	11/18/22 15:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			39906	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39814	11/17/22 16:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/18/22 04:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39824	11/17/22 14:09	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	39920	11/18/22 15:09	SMC	EET MID

Client Sample ID: C-96, 3'

Lab Sample ID: 880-21721-6

Date Collected: 11/11/22 11:40

Matrix: Solid

Date Received: 11/17/22 10:33

Prep 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	39818	11/17/22 13:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/18/22 15:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39915	11/18/22 15:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			39906	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39823	11/17/22 13:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/18/22 04:08	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39824	11/17/22 14:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	39920	11/18/22 15:26	SMC	EET MID

Client Sample ID: C-97, 3'

Lab Sample ID: 880-21721-7

Date Collected: 11/11/22 11:42

Matrix: Solid

Date Received: 11/17/22 10:33

Prep 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	39818	11/17/22 13:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/18/22 15:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39915	11/18/22 16:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39906	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39823	11/17/22 13:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/18/22 04:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Client Sample ID: C-97, 3'

Lab Sample ID: 880-21721-7

Date Collected: 11/11/22 11:42

Matrix: Solid

Date Received: 11/17/22 10:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	39824	11/17/22 14:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	39920	11/18/22 15:32	SMC	EET MID

Client Sample ID: C-101, 3'

Lab Sample ID: 880-21721-8

Date Collected: 11/11/22 12:40

Matrix: Solid

Date Received: 11/17/22 10:33

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	39820	11/17/22 13:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39825	11/18/22 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39915	11/18/22 14:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			39906	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39814	11/17/22 12:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/18/22 04:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39824	11/17/22 14:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	39920	11/18/22 15:38	SMC	EET MID

Client Sample ID: C-102, 3'

Lab Sample ID: 880-21721-9

Date Collected: 11/11/22 12:40

Matrix: Solid

Date Received: 11/17/22 10:33

Prep 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	39820	11/17/22 13:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39825	11/18/22 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39915	11/18/22 14:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			39906	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39814	11/17/22 12:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/18/22 05:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39824	11/17/22 14:09	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	39920	11/18/22 15:43	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

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

- 1
- 2
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Method Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

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: Breakwater-Hayburst Pond (HHP)

Job ID: 880-21721-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21721-1	C-91, 3'	Solid	11/11/22 11:17	11/17/22 10:33
880-21721-2	C-94, 3'	Solid	11/11/22 11:30	11/17/22 10:33
880-21721-3	C-93, 3'	Solid	11/11/22 11:32	11/17/22 10:33
880-21721-4	C-100, 3'	Solid	11/11/22 13:32	11/17/22 10:33
880-21721-5	SW-10, 0-3'	Solid	11/11/22 11:40	11/17/22 10:33
880-21721-6	C-96, 3'	Solid	11/11/22 11:40	11/17/22 10:33
880-21721-7	C-97, 3'	Solid	11/11/22 11:42	11/17/22 10:33
880-21721-8	C-101, 3'	Solid	11/11/22 12:40	11/17/22 10:33
880-21721-9	C-102, 3'	Solid	11/11/22 12:40	11/17/22 10:33

11/28/2022

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-21721-1

SDG Number: 22-0107-01

Login Number: 21721

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 11/29/2022 3:41:32 PM

JOB DESCRIPTION

Breakwater-Hayburst Pond 2
SDG NUMBER 22-0107-01

JOB NUMBER

880-21869-1

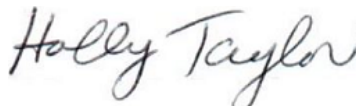
Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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: Breakwater-Hayburst Pond 2

Laboratory Job ID: 880-21869-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

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.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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
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)

Eurofins Midland

Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

- 1
- 2
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Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Job ID: 880-21869-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-21869-1

Receipt

The samples were received on 11/22/2022 8:41 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.3°C

Receipt Exceptions

The following samples were received and analyzed from a bulk soil jar: C-110 (880-21869-1), C-112 (880-21869-2), C-113 (880-21869-3), C-115 (880-21869-4), C-116 (880-21869-5), C-117 (880-21869-6), C-122 (880-21869-7), C-123 (880-21869-8), C-124 (880-21869-9), C-125 (880-21869-10), SW-13 (880-21869-11), SW-14 (880-21869-12), SW-15 (880-21869-13), SW-17 (880-21869-14), C-19 (880-21869-15), C-21 (880-21869-16), C-22 (880-21869-17), C-23 (880-21869-18), C-24 (880-21869-19), C-25 (880-21869-20), C-26 (880-21869-21), C-27 (880-21869-22) and SW-2 (880-21869-23).

The following samples were found to be frozen solid upon receipt by the laboratory. The samples and containers appeared to be intact. C-110 (880-21869-1), C-112 (880-21869-2), C-113 (880-21869-3), C-115 (880-21869-4), C-116 (880-21869-5), C-117 (880-21869-6), C-122 (880-21869-7), C-123 (880-21869-8), C-124 (880-21869-9), C-125 (880-21869-10), SW-13 (880-21869-11), SW-14 (880-21869-12), SW-15 (880-21869-13), SW-17 (880-21869-14), C-19 (880-21869-15), C-21 (880-21869-16), C-22 (880-21869-17), C-23 (880-21869-18), C-24 (880-21869-19), C-25 (880-21869-20), C-26 (880-21869-21), C-27 (880-21869-22) and SW-2 (880-21869-23)

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-40235/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: C-125 (880-21869-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: LCSD biased low. Since only an acceptable LCS is required per the method, the data has been qualified and reported. (LCSD 880-40235/2-A)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40235 and analytical batch 880-40267 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The method blank for preparation batch 880-40235 and analytical batch 880-40267 contained m,p-Xylenes above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40342 and analytical batch 880-40359 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-40387 and analytical batch 880-40408 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-112 (880-21869-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-122 (880-21869-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Job ID: 880-21869-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-15 (880-21869-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-40387 and analytical batch 880-40408 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-40387 and analytical batch 880-40408 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-40390/2-A) and (LCSD 880-40390/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-19 (880-21869-15). 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-21 (880-21869-16) and (880-21869-A-15-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-25 (880-21869-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-27 (880-21869-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-40390 and analytical batch 880-40410 contained Oil Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-40390 and analytical batch 880-40410 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-110

Lab Sample ID: 880-21869-1

Date Collected: 11/14/22 11:21

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- F1 *1	0.00200	mg/Kg		11/22/22 15:31	11/23/22 23:45	1
Toluene	<0.00200	U *- F1 *1	0.00200	mg/Kg		11/22/22 15:31	11/23/22 23:45	1
Ethylbenzene	<0.00200	U F2 *- F1 *1	0.00200	mg/Kg		11/22/22 15:31	11/23/22 23:45	1
m,p-Xylenes	<0.00401	U *- F1 *1	0.00401	mg/Kg		11/22/22 15:31	11/23/22 23:45	1
o-Xylene	<0.00200	U *- F1 *1	0.00200	mg/Kg		11/22/22 15:31	11/23/22 23:45	1
Xylenes, Total	<0.00401	U *- F1 *1	0.00401	mg/Kg		11/22/22 15:31	11/23/22 23:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			11/22/22 15:31	11/23/22 23:45	1
1,4-Difluorobenzene (Surr)	95		70 - 130			11/22/22 15:31	11/23/22 23:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/28/22 14:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:08	1

Method: 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 F2	50.0	mg/Kg		11/28/22 09:07	11/28/22 16:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 16:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			11/28/22 09:07	11/28/22 16:30	1
o-Terphenyl (Surr)	118		70 - 130			11/28/22 09:07	11/28/22 16:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410		49.5	mg/Kg			11/29/22 05:32	10

Client Sample ID: C-112

Lab Sample ID: 880-21869-2

Date Collected: 11/14/22 11:31

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202	mg/Kg		11/22/22 15:31	11/24/22 00:05	1
Toluene	<0.00202	U *- *1	0.00202	mg/Kg		11/22/22 15:31	11/24/22 00:05	1
Ethylbenzene	<0.00202	U *- *1	0.00202	mg/Kg		11/22/22 15:31	11/24/22 00:05	1
m,p-Xylenes	<0.00403	U *- *1	0.00403	mg/Kg		11/22/22 15:31	11/24/22 00:05	1
o-Xylene	<0.00202	U *- *1	0.00202	mg/Kg		11/22/22 15:31	11/24/22 00:05	1
Xylenes, Total	<0.00403	U *- *1	0.00403	mg/Kg		11/22/22 15:31	11/24/22 00:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			11/22/22 15:31	11/24/22 00:05	1
1,4-Difluorobenzene (Surr)	108		70 - 130			11/22/22 15:31	11/24/22 00:05	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-112

Lab Sample ID: 880-21869-2

Date Collected: 11/14/22 11:31

Matrix: Solid

Date Received: 11/22/22 08:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			11/28/22 14:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 17:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 17:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 17:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130			11/28/22 09:07	11/28/22 17:48	1
o-Terphenyl (Surr)	133	S1+	70 - 130			11/28/22 09:07	11/28/22 17:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	824		4.97	mg/Kg			11/29/22 05:40	1

Client Sample ID: C-113

Lab Sample ID: 880-21869-3

Date Collected: 11/14/22 11:35

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	mg/Kg		11/22/22 15:31	11/24/22 00:26	1
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		11/22/22 15:31	11/24/22 00:26	1
Ethylbenzene	<0.00199	U *- *1	0.00199	mg/Kg		11/22/22 15:31	11/24/22 00:26	1
m,p-Xylenes	<0.00398	U *- *1	0.00398	mg/Kg		11/22/22 15:31	11/24/22 00:26	1
o-Xylene	<0.00199	U *- *1	0.00199	mg/Kg		11/22/22 15:31	11/24/22 00:26	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		11/22/22 15:31	11/24/22 00:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			11/22/22 15:31	11/24/22 00:26	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/22/22 15:31	11/24/22 00:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/28/22 14:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 18:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-113

Lab Sample ID: 880-21869-3

Date Collected: 11/14/22 11:35

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 18:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			11/28/22 09:07	11/28/22 18:08	1
o-Terphenyl (Surr)	121		70 - 130			11/28/22 09:07	11/28/22 18:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	462		5.00	mg/Kg			11/29/22 06:04	1

Client Sample ID: C-115

Lab Sample ID: 880-21869-4

Date Collected: 11/14/22 12:16

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 00:46	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 00:46	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 00:46	1
m,p-Xylenes	<0.00400	U *- *1	0.00400	mg/Kg		11/22/22 15:31	11/24/22 00:46	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 00:46	1
Xylenes, Total	<0.00400	U *- *1	0.00400	mg/Kg		11/22/22 15:31	11/24/22 00:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			11/22/22 15:31	11/24/22 00:46	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/22/22 15:31	11/24/22 00:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			11/28/22 14:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 18:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 18:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 18:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130			11/28/22 09:07	11/28/22 18:30	1
o-Terphenyl (Surr)	123		70 - 130			11/28/22 09:07	11/28/22 18:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	595		4.99	mg/Kg			11/29/22 06:12	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-116

Lab Sample ID: 880-21869-5

Date Collected: 11/14/22 12:20

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201	mg/Kg		11/22/22 15:31	11/24/22 01:07	1
Toluene	<0.00201	U *- *1	0.00201	mg/Kg		11/22/22 15:31	11/24/22 01:07	1
Ethylbenzene	<0.00201	U *- *1	0.00201	mg/Kg		11/22/22 15:31	11/24/22 01:07	1
m,p-Xylenes	<0.00402	U *- *1	0.00402	mg/Kg		11/22/22 15:31	11/24/22 01:07	1
o-Xylene	<0.00201	U *- *1	0.00201	mg/Kg		11/22/22 15:31	11/24/22 01:07	1
Xylenes, Total	<0.00402	U *- *1	0.00402	mg/Kg		11/22/22 15:31	11/24/22 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	11/22/22 15:31	11/24/22 01:07	1
1,4-Difluorobenzene (Surr)	104		70 - 130	11/22/22 15:31	11/24/22 01:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/28/22 14:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 18:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 18:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	11/28/22 09:07	11/28/22 18:53	1
o-Terphenyl (Surr)	116		70 - 130	11/28/22 09:07	11/28/22 18:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		4.95	mg/Kg			11/29/22 06:20	1

Client Sample ID: C-117

Lab Sample ID: 880-21869-6

Date Collected: 11/14/22 12:23

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	mg/Kg		11/22/22 15:31	11/24/22 01:28	1
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		11/22/22 15:31	11/24/22 01:28	1
Ethylbenzene	<0.00199	U *- *1	0.00199	mg/Kg		11/22/22 15:31	11/24/22 01:28	1
m,p-Xylenes	<0.00398	U *- *1	0.00398	mg/Kg		11/22/22 15:31	11/24/22 01:28	1
o-Xylene	<0.00199	U *- *1	0.00199	mg/Kg		11/22/22 15:31	11/24/22 01:28	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		11/22/22 15:31	11/24/22 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	11/22/22 15:31	11/24/22 01:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/22/22 15:31	11/24/22 01:28	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-117

Lab Sample ID: 880-21869-6

Date Collected: 11/14/22 12:23

Matrix: Solid

Date Received: 11/22/22 08:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/28/22 14:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 19:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 19:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			11/28/22 09:07	11/28/22 19:14	1
o-Terphenyl (Surr)	120		70 - 130			11/28/22 09:07	11/28/22 19:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	861		4.95	mg/Kg			11/29/22 06:28	1

Client Sample ID: C-122

Lab Sample ID: 880-21869-7

Date Collected: 11/14/22 12:45

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 01:48	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 01:48	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 01:48	1
m,p-Xylenes	<0.00400	U *- *1	0.00400	mg/Kg		11/22/22 15:31	11/24/22 01:48	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 01:48	1
Xylenes, Total	<0.00400	U *- *1	0.00400	mg/Kg		11/22/22 15:31	11/24/22 01:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			11/22/22 15:31	11/24/22 01:48	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/22/22 15:31	11/24/22 01:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			11/28/22 14:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 19:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 19:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-122

Date Collected: 11/14/22 12:45

Date Received: 11/22/22 08:41

Lab Sample ID: 880-21869-7

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 19:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	132	S1+	70 - 130			11/28/22 09:07	11/28/22 19:36	1
o-Terphenyl (Surr)	130		70 - 130			11/28/22 09:07	11/28/22 19:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540		25.2	mg/Kg			11/29/22 06:37	5

Client Sample ID: C-123

Date Collected: 11/14/22 13:28

Date Received: 11/22/22 08:41

Lab Sample ID: 880-21869-8

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201	mg/Kg		11/22/22 15:31	11/24/22 02:09	1
Toluene	<0.00201	U *- *1	0.00201	mg/Kg		11/22/22 15:31	11/24/22 02:09	1
Ethylbenzene	<0.00201	U *- *1	0.00201	mg/Kg		11/22/22 15:31	11/24/22 02:09	1
m,p-Xylenes	<0.00402	U *- *1	0.00402	mg/Kg		11/22/22 15:31	11/24/22 02:09	1
o-Xylene	<0.00201	U *- *1	0.00201	mg/Kg		11/22/22 15:31	11/24/22 02:09	1
Xylenes, Total	<0.00402	U *- *1	0.00402	mg/Kg		11/22/22 15:31	11/24/22 02:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			11/22/22 15:31	11/24/22 02:09	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/22/22 15:31	11/24/22 02:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/28/22 14:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 19:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 19:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			11/28/22 09:07	11/28/22 19:58	1
o-Terphenyl (Surr)	110		70 - 130			11/28/22 09:07	11/28/22 19:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.99	mg/Kg			11/29/22 06:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-124

Lab Sample ID: 880-21869-9

Date Collected: 11/14/22 13:31

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 02:30	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 02:30	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 02:30	1
m,p-Xylenes	<0.00401	U *- *1	0.00401	mg/Kg		11/22/22 15:31	11/24/22 02:30	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 02:30	1
Xylenes, Total	<0.00401	U *- *1	0.00401	mg/Kg		11/22/22 15:31	11/24/22 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	11/22/22 15:31	11/24/22 02:30	1
1,4-Difluorobenzene (Surr)	104		70 - 130	11/22/22 15:31	11/24/22 02:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/28/22 14:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 20:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 20:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130	11/28/22 09:07	11/28/22 20:21	1
o-Terphenyl (Surr)	124		70 - 130	11/28/22 09:07	11/28/22 20:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	215		24.8	mg/Kg			11/29/22 07:09	5

Client Sample ID: C-125

Lab Sample ID: 880-21869-10

Date Collected: 11/14/22 13:35

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 02:50	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 02:50	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 02:50	1
m,p-Xylenes	<0.00400	U *- *1	0.00400	mg/Kg		11/22/22 15:31	11/24/22 02:50	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 02:50	1
Xylenes, Total	<0.00400	U *- *1	0.00400	mg/Kg		11/22/22 15:31	11/24/22 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	11/22/22 15:31	11/24/22 02:50	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/22/22 15:31	11/24/22 02:50	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-125

Lab Sample ID: 880-21869-10

Date Collected: 11/14/22 13:35

Matrix: Solid

Date Received: 11/22/22 08:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			11/28/22 14:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 20:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 20:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 20:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			11/28/22 09:07	11/28/22 20:43	1
o-Terphenyl (Surr)	109		70 - 130			11/28/22 09:07	11/28/22 20:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		4.96	mg/Kg			11/29/22 07:17	1

Client Sample ID: SW-13

Lab Sample ID: 880-21869-11

Date Collected: 11/15/22 14:45

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1 F2	0.00202	mg/Kg		11/23/22 15:00	11/25/22 21:29	1
Toluene	<0.00202	U F1 F2	0.00202	mg/Kg		11/23/22 15:00	11/25/22 21:29	1
Ethylbenzene	<0.00202	U F1 F2	0.00202	mg/Kg		11/23/22 15:00	11/25/22 21:29	1
m,p-Xylenes	<0.00404	U F1 F2	0.00404	mg/Kg		11/23/22 15:00	11/25/22 21:29	1
o-Xylene	<0.00202	U F1 F2	0.00202	mg/Kg		11/23/22 15:00	11/25/22 21:29	1
Xylenes, Total	<0.00404	U F1 F2	0.00404	mg/Kg		11/23/22 15:00	11/25/22 21:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			11/23/22 15:00	11/25/22 21:29	1
1,4-Difluorobenzene (Surr)	113		70 - 130			11/23/22 15:00	11/25/22 21:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 21:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 21:50	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: SW-13

Date Collected: 11/15/22 14:45

Date Received: 11/22/22 08:41

Lab Sample ID: 880-21869-11

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 21:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130			11/28/22 09:07	11/28/22 21:50	1
o-Terphenyl (Surr)	125		70 - 130			11/28/22 09:07	11/28/22 21:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1570		50.0	mg/Kg			11/29/22 07:41	10

Client Sample ID: SW-14

Date Collected: 11/15/22 15:00

Date Received: 11/22/22 08:41

Lab Sample ID: 880-21869-12

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/23/22 15:00	11/25/22 21:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/23/22 15:00	11/25/22 21:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/23/22 15:00	11/25/22 21:49	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/23/22 15:00	11/25/22 21:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/23/22 15:00	11/25/22 21:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/23/22 15:00	11/25/22 21:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			11/23/22 15:00	11/25/22 21:49	1
1,4-Difluorobenzene (Surr)	108		70 - 130			11/23/22 15:00	11/25/22 21:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 22:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 22:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/28/22 22:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			11/28/22 09:07	11/28/22 22:13	1
o-Terphenyl (Surr)	111		70 - 130			11/28/22 09:07	11/28/22 22:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		24.9	mg/Kg			11/29/22 07:50	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: SW-15

Lab Sample ID: 880-21869-13

Date Collected: 11/15/22 15:15

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 22:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 22:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 22:10	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/23/22 15:00	11/25/22 22:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 22:10	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/23/22 15:00	11/25/22 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/23/22 15:00	11/25/22 22:10	1
1,4-Difluorobenzene (Surr)	110		70 - 130	11/23/22 15:00	11/25/22 22:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 22:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 22:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	142	S1+	70 - 130	11/28/22 09:07	11/28/22 22:34	1
o-Terphenyl (Surr)	139	S1+	70 - 130	11/28/22 09:07	11/28/22 22:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.01	mg/Kg			11/29/22 07:58	1

Client Sample ID: SW-17

Lab Sample ID: 880-21869-14

Date Collected: 11/15/22 15:30

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/25/22 22:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/25/22 22:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/25/22 22:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/23/22 15:00	11/25/22 22:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/25/22 22:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/23/22 15:00	11/25/22 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/23/22 15:00	11/25/22 22:31	1
1,4-Difluorobenzene (Surr)	109		70 - 130	11/23/22 15:00	11/25/22 22:31	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: SW-17

Lab Sample ID: 880-21869-14

Date Collected: 11/15/22 15:30

Matrix: Solid

Date Received: 11/22/22 08:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 22:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 22:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 22:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			11/28/22 09:07	11/28/22 22:57	1
o-Terphenyl (Surr)	113		70 - 130			11/28/22 09:07	11/28/22 22:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.9		4.99	mg/Kg			11/29/22 08:06	1

Client Sample ID: C-19

Lab Sample ID: 880-21869-15

Date Collected: 11/16/22 10:15

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 22:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 22:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 22:51	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/23/22 15:00	11/25/22 22:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 22:51	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/23/22 15:00	11/25/22 22:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			11/23/22 15:00	11/25/22 22:51	1
1,4-Difluorobenzene (Surr)	104		70 - 130			11/23/22 15:00	11/25/22 22:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0	mg/Kg		11/28/22 09:13	11/28/22 16:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 16:30	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-19

Lab Sample ID: 880-21869-15

Date Collected: 11/16/22 10:15

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	66	S1-	70 - 130			11/28/22 09:13	11/28/22 16:30	1
o-Terphenyl (Surr)	62	S1-	70 - 130			11/28/22 09:13	11/28/22 16:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		24.8	mg/Kg			11/29/22 08:14	5

Client Sample ID: C-21

Lab Sample ID: 880-21869-16

Date Collected: 11/16/22 10:28

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 23:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 23:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 23:12	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/23/22 15:00	11/25/22 23:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 23:12	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/23/22 15:00	11/25/22 23:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			11/23/22 15:00	11/25/22 23:12	1
1,4-Difluorobenzene (Surr)	109		70 - 130			11/23/22 15:00	11/25/22 23:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/29/22 12:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9	mg/Kg		11/28/22 09:13	11/28/22 17:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/28/22 09:13	11/28/22 17:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/28/22 09:13	11/28/22 17:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			11/28/22 09:13	11/28/22 17:48	1
o-Terphenyl (Surr)	134	S1+	70 - 130			11/28/22 09:13	11/28/22 17:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	513		24.9	mg/Kg			11/29/22 08:22	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-22

Lab Sample ID: 880-21869-17

Date Collected: 11/16/22 10:34

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/25/22 23:33	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/25/22 23:33	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/25/22 23:33	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/23/22 15:00	11/25/22 23:33	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/25/22 23:33	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/23/22 15:00	11/25/22 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/23/22 15:00	11/25/22 23:33	1
1,4-Difluorobenzene (Surr)	111		70 - 130	11/23/22 15:00	11/25/22 23:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/29/22 12:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9	mg/Kg		11/28/22 09:13	11/28/22 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/28/22 09:13	11/28/22 18:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/28/22 09:13	11/28/22 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130	11/28/22 09:13	11/28/22 18:08	1
o-Terphenyl (Surr)	112		70 - 130	11/28/22 09:13	11/28/22 18:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	441		5.00	mg/Kg			11/29/22 08:30	1

Client Sample ID: C-23

Lab Sample ID: 880-21869-18

Date Collected: 11/16/22 10:39

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 23:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 23:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 23:54	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/23/22 15:00	11/25/22 23:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 23:54	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/23/22 15:00	11/25/22 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	11/23/22 15:00	11/25/22 23:54	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/23/22 15:00	11/25/22 23:54	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-23

Lab Sample ID: 880-21869-18

Date Collected: 11/16/22 10:39

Matrix: Solid

Date Received: 11/22/22 08:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0	mg/Kg		11/28/22 09:13	11/28/22 18:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 18:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 18:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			11/28/22 09:13	11/28/22 18:30	1
o-Terphenyl (Surr)	106		70 - 130			11/28/22 09:13	11/28/22 18:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	491		4.95	mg/Kg			11/28/22 19:22	1

Client Sample ID: C-24

Lab Sample ID: 880-21869-19

Date Collected: 11/16/22 10:46

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		11/23/22 15:00	11/26/22 00:14	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/23/22 15:00	11/26/22 00:14	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/23/22 15:00	11/26/22 00:14	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		11/23/22 15:00	11/26/22 00:14	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/23/22 15:00	11/26/22 00:14	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		11/23/22 15:00	11/26/22 00:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			11/23/22 15:00	11/26/22 00:14	1
1,4-Difluorobenzene (Surr)	110		70 - 130			11/23/22 15:00	11/26/22 00:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0	mg/Kg		11/28/22 09:13	11/28/22 18:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 18:53	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-24

Date Collected: 11/16/22 10:46

Date Received: 11/22/22 08:41

Lab Sample ID: 880-21869-19

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			11/28/22 09:13	11/28/22 18:53	1
o-Terphenyl (Surr)	91		70 - 130			11/28/22 09:13	11/28/22 18:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	671		4.99	mg/Kg			11/28/22 19:46	1

Client Sample ID: C-25

Date Collected: 11/16/22 10:54

Date Received: 11/22/22 08:41

Lab Sample ID: 880-21869-20

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/26/22 00:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/26/22 00:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/26/22 00:35	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/23/22 15:00	11/26/22 00:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/26/22 00:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/23/22 15:00	11/26/22 00:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			11/23/22 15:00	11/26/22 00:35	1
1,4-Difluorobenzene (Surr)	115		70 - 130			11/23/22 15:00	11/26/22 00:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0	mg/Kg		11/28/22 09:13	11/28/22 19:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 19:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	31	S1-	70 - 130			11/28/22 09:13	11/28/22 19:14	1
o-Terphenyl (Surr)	24	S1-	70 - 130			11/28/22 09:13	11/28/22 19:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	516		4.95	mg/Kg			11/28/22 19:55	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-26

Lab Sample ID: 880-21869-21

Date Collected: 11/16/22 11:00

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/23/22 15:00	11/26/22 01:59	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/23/22 15:00	11/26/22 01:59	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/23/22 15:00	11/26/22 01:59	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		11/23/22 15:00	11/26/22 01:59	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/23/22 15:00	11/26/22 01:59	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/23/22 15:00	11/26/22 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	11/23/22 15:00	11/26/22 01:59	1
1,4-Difluorobenzene (Surr)	114		70 - 130	11/23/22 15:00	11/26/22 01:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/29/22 12:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9	mg/Kg		11/28/22 09:13	11/28/22 19:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/28/22 09:13	11/28/22 19:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/28/22 09:13	11/28/22 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	11/28/22 09:13	11/28/22 19:36	1
o-Terphenyl (Surr)	119		70 - 130	11/28/22 09:13	11/28/22 19:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	352		5.05	mg/Kg			11/28/22 20:03	1

Client Sample ID: C-27

Lab Sample ID: 880-21869-22

Date Collected: 11/16/22 11:03

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/26/22 02:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/26/22 02:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/26/22 02:19	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/23/22 15:00	11/26/22 02:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/23/22 15:00	11/26/22 02:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/23/22 15:00	11/26/22 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	11/23/22 15:00	11/26/22 02:19	1
1,4-Difluorobenzene (Surr)	116		70 - 130	11/23/22 15:00	11/26/22 02:19	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-27

Lab Sample ID: 880-21869-22

Date Collected: 11/16/22 11:03

Matrix: Solid

Date Received: 11/22/22 08:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/29/22 12:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0	mg/Kg		11/28/22 09:13	11/28/22 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 19:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 19:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	39	S1-	70 - 130			11/28/22 09:13	11/28/22 19:58	1
o-Terphenyl (Surr)	37	S1-	70 - 130			11/28/22 09:13	11/28/22 19:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	346		4.98	mg/Kg			11/28/22 20:11	1

Client Sample ID: SW-2

Lab Sample ID: 880-21869-23

Date Collected: 11/16/22 11:30

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/23/22 15:00	11/26/22 02:40	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/23/22 15:00	11/26/22 02:40	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/23/22 15:00	11/26/22 02:40	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		11/23/22 15:00	11/26/22 02:40	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/23/22 15:00	11/26/22 02:40	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		11/23/22 15:00	11/26/22 02:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			11/23/22 15:00	11/26/22 02:40	1
1,4-Difluorobenzene (Surr)	111		70 - 130			11/23/22 15:00	11/26/22 02:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			11/28/22 16:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/29/22 12:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9	mg/Kg		11/28/22 09:13	11/28/22 20:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/28/22 09:13	11/28/22 20:21	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: SW-2

Lab Sample ID: 880-21869-23

Date Collected: 11/16/22 11:30

Matrix: Solid

Date Received: 11/22/22 08:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	-	11/28/22 09:13	11/28/22 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	11/28/22 09:13	11/28/22 20:21	1
o-Terphenyl (Surr)	90		70 - 130	11/28/22 09:13	11/28/22 20:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	944		4.97	mg/Kg	-		11/28/22 20:35	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

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)
880-21869-1	C-110	109	95
880-21869-1 MS	C-110	113	111
880-21869-1 MSD	C-110	105	95
880-21869-2	C-112	116	108
880-21869-3	C-113	114	107
880-21869-4	C-115	119	107
880-21869-5	C-116	119	104
880-21869-6	C-117	119	97
880-21869-7	C-122	116	102
880-21869-8	C-123	130	107
880-21869-9	C-124	125	104
880-21869-10	C-125	134 S1+	108
880-21869-11	SW-13	101	113
880-21869-11 MS	SW-13	100	110
880-21869-11 MSD	SW-13	99	112
880-21869-12	SW-14	109	108
880-21869-13	SW-15	96	110
880-21869-14	SW-17	103	109
880-21869-15	C-19	108	104
880-21869-16	C-21	106	109
880-21869-17	C-22	96	111
880-21869-18	C-23	98	105
880-21869-19	C-24	96	110
880-21869-20	C-25	99	115
880-21869-21	C-26	98	114
880-21869-22	C-27	100	116
880-21869-23	SW-2	98	111
LCS 880-40235/1-A	Lab Control Sample	108	78
LCS 880-40342/1-A	Lab Control Sample	99	109
LCSD 880-40235/2-A	Lab Control Sample Dup	37 S1-	30 S1-
LCSD 880-40342/2-A	Lab Control Sample Dup	102	112
MB 880-40235/5-A	Method Blank	106	95
MB 880-40278/5-A	Method Blank	99	97
MB 880-40342/5-A	Method Blank	81	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-21869-1	C-110	112	118
880-21869-1 MS	C-110	109	102
880-21869-1 MSD	C-110	98	92
880-21869-2	C-112	130	133 S1+
880-21869-3	C-113	118	121

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

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)
880-21869-4	C-115	122	123
880-21869-5	C-116	115	116
880-21869-6	C-117	111	120
880-21869-7	C-122	132 S1+	130
880-21869-8	C-123	103	110
880-21869-9	C-124	126	124
880-21869-10	C-125	104	109
880-21869-11	SW-13	127	125
880-21869-12	SW-14	116	111
880-21869-13	SW-15	142 S1+	139 S1+
880-21869-14	SW-17	105	113
880-21869-15	C-19	66 S1-	62 S1-
880-21869-15 MS	C-19	85	80
880-21869-15 MSD	C-19	61 S1-	61 S1-
880-21869-16	C-21	116	134 S1+
880-21869-17	C-22	96	112
880-21869-18	C-23	103	106
880-21869-19	C-24	80	91
880-21869-20	C-25	31 S1-	24 S1-
880-21869-21	C-26	104	119
880-21869-22	C-27	39 S1-	37 S1-
880-21869-23	SW-2	90	90
LCS 880-40387/2-A	Lab Control Sample	129	126
LCS 880-40390/2-A	Lab Control Sample	171 S1+	210 S1+
LCSD 880-40387/3-A	Lab Control Sample Dup	128	126
LCSD 880-40390/3-A	Lab Control Sample Dup	150 S1+	182 S1+
MB 880-40387/1-A	Method Blank	129	149 S1+
MB 880-40390/1-A	Method Blank	92	116

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40235/5-A

Matrix: Solid

Analysis Batch: 40267

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40235

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/22/22 15:31	11/23/22 23:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/22/22 15:31	11/23/22 23:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/22/22 15:31	11/23/22 23:23	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/22/22 15:31	11/23/22 23:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/22/22 15:31	11/23/22 23:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/22/22 15:31	11/23/22 23:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/22/22 15:31	11/23/22 23:23	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/22/22 15:31	11/23/22 23:23	1

Lab Sample ID: LCS 880-40235/1-A

Matrix: Solid

Analysis Batch: 40267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1100		mg/Kg		110	70 - 130
Toluene	0.100	0.1004		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09891		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.2004		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1165		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: LCSD 880-40235/2-A

Matrix: Solid

Analysis Batch: 40267

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40235

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.03559	*- *1	mg/Kg		36	70 - 130	102	35
Toluene	0.100	0.03773	*- *1	mg/Kg		38	70 - 130	91	35
Ethylbenzene	0.100	0.03854	*- *1	mg/Kg		39	70 - 130	88	35
m,p-Xylenes	0.200	0.07074	*- *1	mg/Kg		35	70 - 130	96	35
o-Xylene	0.100	0.03879	*- *1	mg/Kg		39	70 - 130	100	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	37	S1-	70 - 130
1,4-Difluorobenzene (Surr)	30	S1-	70 - 130

Lab Sample ID: 880-21869-1 MS

Matrix: Solid

Analysis Batch: 40267

Client Sample ID: C-110

Prep Type: Total/NA

Prep Batch: 40235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *- F1 *1	0.101	0.04993	F1	mg/Kg		49	70 - 130
Toluene	<0.00200	U *- F1 *1	0.101	0.05101	F1	mg/Kg		51	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-21869-1 MS

Matrix: Solid

Analysis Batch: 40267

Client Sample ID: C-110

Prep Type: Total/NA

Prep Batch: 40235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F2 *- F1 *1	0.101	0.04296	F1	mg/Kg		43	70 - 130
m,p-Xylenes	<0.00401	U *- F1 *1	0.202	0.08700	F1	mg/Kg		43	70 - 130
o-Xylene	<0.00200	U *- F1 *1	0.101	0.04980	F1	mg/Kg		49	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	113		70 - 130						
1,4-Difluorobenzene (Surr)	111		70 - 130						

Lab Sample ID: 880-21869-1 MSD

Matrix: Solid

Analysis Batch: 40267

Client Sample ID: C-110

Prep Type: Total/NA

Prep Batch: 40235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *- F1 *1	0.0994	0.04197	F1	mg/Kg		42	70 - 130	17	35
Toluene	<0.00200	U *- F1 *1	0.0994	0.04333	F1	mg/Kg		44	70 - 130	16	35
Ethylbenzene	<0.00200	U F2 *- F1 *1	0.0994	0.03981	F1	mg/Kg		40	70 - 130	8	35
m,p-Xylenes	<0.00401	U *- F1 *1	0.199	0.07885	F1	mg/Kg		40	70 - 130	10	35
o-Xylene	<0.00200	U *- F1 *1	0.0994	0.04448	F1	mg/Kg		45	70 - 130	11	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Lab Sample ID: MB 880-40278/5-A

Matrix: Solid

Analysis Batch: 40267

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40278

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
Surrogate	%Recovery	MB Qualifier	MB Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			11/23/22 10:41	11/23/22 12:41	1
1,4-Difluorobenzene (Surr)	97		70 - 130			11/23/22 10:41	11/23/22 12:41	1

Lab Sample ID: MB 880-40342/5-A

Matrix: Solid

Analysis Batch: 40359

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40342

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 21:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 21:07	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-40342/5-A

Matrix: Solid

Analysis Batch: 40359

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40342

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 21:07	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/23/22 15:00	11/25/22 21:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/23/22 15:00	11/25/22 21:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/23/22 15:00	11/25/22 21:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	11/23/22 15:00	11/25/22 21:07	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/23/22 15:00	11/25/22 21:07	1

Lab Sample ID: LCS 880-40342/1-A

Matrix: Solid

Analysis Batch: 40359

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08346		mg/Kg		83	70 - 130
Toluene	0.100	0.07785		mg/Kg		78	70 - 130
Ethylbenzene	0.100	0.07618		mg/Kg		76	70 - 130
m,p-Xylenes	0.200	0.1590		mg/Kg		80	70 - 130
o-Xylene	0.100	0.07942		mg/Kg		79	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-40342/2-A

Matrix: Solid

Analysis Batch: 40359

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40342

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09447		mg/Kg		94	70 - 130	12	35
Toluene	0.100	0.08780		mg/Kg		88	70 - 130	12	35
Ethylbenzene	0.100	0.08423		mg/Kg		84	70 - 130	10	35
m,p-Xylenes	0.200	0.1744		mg/Kg		87	70 - 130	9	35
o-Xylene	0.100	0.08685		mg/Kg		87	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-21869-11 MS

Matrix: Solid

Analysis Batch: 40359

Client Sample ID: SW-13

Prep Type: Total/NA

Prep Batch: 40342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1 F2	0.101	0.06412	F1	mg/Kg		64	70 - 130
Toluene	<0.00202	U F1 F2	0.101	0.05662	F1	mg/Kg		56	70 - 130
Ethylbenzene	<0.00202	U F1 F2	0.101	0.04955	F1	mg/Kg		49	70 - 130
m,p-Xylenes	<0.00404	U F1 F2	0.202	0.1000	F1	mg/Kg		50	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-21869-11 MS

Matrix: Solid

Analysis Batch: 40359

Client Sample ID: SW-13

Prep Type: Total/NA

Prep Batch: 40342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00202	U F1 F2	0.101	0.04977	F1	mg/Kg		49	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	110		70 - 130						

Lab Sample ID: 880-21869-11 MSD

Matrix: Solid

Analysis Batch: 40359

Client Sample ID: SW-13

Prep Type: Total/NA

Prep Batch: 40342

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00202	U F1 F2	0.0994	0.01853	F1 F2	mg/Kg		19	70 - 130	110	35
Toluene	<0.00202	U F1 F2	0.0994	0.01354	F1 F2	mg/Kg		14	70 - 130	123	35
Ethylbenzene	<0.00202	U F1 F2	0.0994	0.008815	F1 F2	mg/Kg		9	70 - 130	140	35
m,p-Xylenes	<0.00404	U F1 F2	0.199	0.01508	F1 F2	mg/Kg		8	70 - 130	148	35
o-Xylene	<0.00202	U F1 F2	0.0994	0.008268	F1 F2	mg/Kg		8	70 - 130	143	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	112		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-40387/1-A

Matrix: Solid

Analysis Batch: 40408

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40387

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 13:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 13:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:07	11/28/22 13:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129		70 - 130			11/28/22 09:07	11/28/22 13:45	1
o-Terphenyl (Surr)	149	S1+	70 - 130			11/28/22 09:07	11/28/22 13:45	1

Lab Sample ID: LCS 880-40387/2-A

Matrix: Solid

Analysis Batch: 40408

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	898.0		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	950.0		mg/Kg		95	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-40387/2-A

Matrix: Solid

Analysis Batch: 40408

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40387

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	129		70 - 130
o-Terphenyl (Surr)	126		70 - 130

Lab Sample ID: LCSD 880-40387/3-A

Matrix: Solid

Analysis Batch: 40408

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40387

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	990.0		mg/Kg		99	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	919.0		mg/Kg		92	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	128		70 - 130
o-Terphenyl (Surr)	126		70 - 130

Lab Sample ID: 880-21869-1 MS

Matrix: Solid

Analysis Batch: 40408

Client Sample ID: C-110

Prep Type: Total/NA

Prep Batch: 40387

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 F2	999	1131		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1232		mg/Kg		123	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	102		70 - 130

Lab Sample ID: 880-21869-1 MSD

Matrix: Solid

Analysis Batch: 40408

Client Sample ID: C-110

Prep Type: Total/NA

Prep Batch: 40387

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 F2	997	854.3	F2	mg/Kg		83	70 - 130	28	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1090		mg/Kg		109	70 - 130	12	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-40390/1-A

Matrix: Solid

Analysis Batch: 40410

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40390

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 13:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 13:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/28/22 09:13	11/28/22 13:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	11/28/22 09:13	11/28/22 13:45	1
o-Terphenyl (Surr)	116		70 - 130	11/28/22 09:13	11/28/22 13:45	1

Lab Sample ID: LCS 880-40390/2-A

Matrix: Solid

Analysis Batch: 40410

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40390

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	726.7		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1011		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	171	S1+	70 - 130
o-Terphenyl (Surr)	210	S1+	70 - 130

Lab Sample ID: LCSD 880-40390/3-A

Matrix: Solid

Analysis Batch: 40410

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40390

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	663.0	*-	mg/Kg		66	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	877.7		mg/Kg		88	70 - 130	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	150	S1+	70 - 130
o-Terphenyl (Surr)	182	S1+	70 - 130

Lab Sample ID: 880-21869-15 MS

Matrix: Solid

Analysis Batch: 40410

Client Sample ID: C-19

Prep Type: Total/NA

Prep Batch: 40390

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 *-	999	893.3		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	931.9		mg/Kg		91	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-21869-15 MS

Matrix: Solid

Analysis Batch: 40410

Client Sample ID: C-19

Prep Type: Total/NA

Prep Batch: 40390

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	80		70 - 130

Lab Sample ID: 880-21869-15 MSD

Matrix: Solid

Analysis Batch: 40410

Client Sample ID: C-19

Prep Type: Total/NA

Prep Batch: 40390

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	1019		mg/Kg		102	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	816.5		mg/Kg		80	70 - 130	13	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	61	S1-	70 - 130
o-Terphenyl (Surr)	61	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40373/1-A

Matrix: Solid

Analysis Batch: 40499

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/28/22 18:58	1

Lab Sample ID: LCS 880-40373/2-A

Matrix: Solid

Analysis Batch: 40499

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.3		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-40373/3-A

Matrix: Solid

Analysis Batch: 40499

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	252.0		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-21869-18 MS

Matrix: Solid

Analysis Batch: 40499

Client Sample ID: C-23

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	491		248	724.4		mg/Kg		94	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-21869-18 MSD

Matrix: Solid

Analysis Batch: 40499

Client Sample ID: C-23

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	491		248	730.5		mg/Kg		97	90 - 110	1	20

Lab Sample ID: MB 880-40383/1-A

Matrix: Solid

Analysis Batch: 40501

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/29/22 04:27	1

Lab Sample ID: LCS 880-40383/2-A

Matrix: Solid

Analysis Batch: 40501

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	271.1		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-40383/3-A

Matrix: Solid

Analysis Batch: 40501

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	273.9		mg/Kg		110	90 - 110	1	20

Lab Sample ID: 880-21869-8 MS

Matrix: Solid

Analysis Batch: 40501

Client Sample ID: C-123

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	108		250	366.5		mg/Kg		104	90 - 110

Lab Sample ID: 880-21869-8 MSD

Matrix: Solid

Analysis Batch: 40501

Client Sample ID: C-123

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	108		250	364.1		mg/Kg		103	90 - 110	1	20

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

GC VOA

Prep Batch: 40235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-1	C-110	Total/NA	Solid	5035	
880-21869-2	C-112	Total/NA	Solid	5035	
880-21869-3	C-113	Total/NA	Solid	5035	
880-21869-4	C-115	Total/NA	Solid	5035	
880-21869-5	C-116	Total/NA	Solid	5035	
880-21869-6	C-117	Total/NA	Solid	5035	
880-21869-7	C-122	Total/NA	Solid	5035	
880-21869-8	C-123	Total/NA	Solid	5035	
880-21869-9	C-124	Total/NA	Solid	5035	
880-21869-10	C-125	Total/NA	Solid	5035	
MB 880-40235/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40235/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40235/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21869-1 MS	C-110	Total/NA	Solid	5035	
880-21869-1 MSD	C-110	Total/NA	Solid	5035	

Analysis Batch: 40267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-1	C-110	Total/NA	Solid	8021B	40235
880-21869-2	C-112	Total/NA	Solid	8021B	40235
880-21869-3	C-113	Total/NA	Solid	8021B	40235
880-21869-4	C-115	Total/NA	Solid	8021B	40235
880-21869-5	C-116	Total/NA	Solid	8021B	40235
880-21869-6	C-117	Total/NA	Solid	8021B	40235
880-21869-7	C-122	Total/NA	Solid	8021B	40235
880-21869-8	C-123	Total/NA	Solid	8021B	40235
880-21869-9	C-124	Total/NA	Solid	8021B	40235
880-21869-10	C-125	Total/NA	Solid	8021B	40235
MB 880-40235/5-A	Method Blank	Total/NA	Solid	8021B	40235
MB 880-40278/5-A	Method Blank	Total/NA	Solid	8021B	40278
LCS 880-40235/1-A	Lab Control Sample	Total/NA	Solid	8021B	40235
LCSD 880-40235/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40235
880-21869-1 MS	C-110	Total/NA	Solid	8021B	40235
880-21869-1 MSD	C-110	Total/NA	Solid	8021B	40235

Prep Batch: 40278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-40278/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 40342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-11	SW-13	Total/NA	Solid	5035	
880-21869-12	SW-14	Total/NA	Solid	5035	
880-21869-13	SW-15	Total/NA	Solid	5035	
880-21869-14	SW-17	Total/NA	Solid	5035	
880-21869-15	C-19	Total/NA	Solid	5035	
880-21869-16	C-21	Total/NA	Solid	5035	
880-21869-17	C-22	Total/NA	Solid	5035	
880-21869-18	C-23	Total/NA	Solid	5035	
880-21869-19	C-24	Total/NA	Solid	5035	
880-21869-20	C-25	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

GC VOA (Continued)

Prep Batch: 40342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-21	C-26	Total/NA	Solid	5035	
880-21869-22	C-27	Total/NA	Solid	5035	
880-21869-23	SW-2	Total/NA	Solid	5035	
MB 880-40342/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40342/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40342/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21869-11 MS	SW-13	Total/NA	Solid	5035	
880-21869-11 MSD	SW-13	Total/NA	Solid	5035	

Analysis Batch: 40359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-11	SW-13	Total/NA	Solid	8021B	40342
880-21869-12	SW-14	Total/NA	Solid	8021B	40342
880-21869-13	SW-15	Total/NA	Solid	8021B	40342
880-21869-14	SW-17	Total/NA	Solid	8021B	40342
880-21869-15	C-19	Total/NA	Solid	8021B	40342
880-21869-16	C-21	Total/NA	Solid	8021B	40342
880-21869-17	C-22	Total/NA	Solid	8021B	40342
880-21869-18	C-23	Total/NA	Solid	8021B	40342
880-21869-19	C-24	Total/NA	Solid	8021B	40342
880-21869-20	C-25	Total/NA	Solid	8021B	40342
880-21869-21	C-26	Total/NA	Solid	8021B	40342
880-21869-22	C-27	Total/NA	Solid	8021B	40342
880-21869-23	SW-2	Total/NA	Solid	8021B	40342
MB 880-40342/5-A	Method Blank	Total/NA	Solid	8021B	40342
LCS 880-40342/1-A	Lab Control Sample	Total/NA	Solid	8021B	40342
LCSD 880-40342/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40342
880-21869-11 MS	SW-13	Total/NA	Solid	8021B	40342
880-21869-11 MSD	SW-13	Total/NA	Solid	8021B	40342

Analysis Batch: 40473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-1	C-110	Total/NA	Solid	Total BTEX	
880-21869-2	C-112	Total/NA	Solid	Total BTEX	
880-21869-3	C-113	Total/NA	Solid	Total BTEX	
880-21869-4	C-115	Total/NA	Solid	Total BTEX	
880-21869-5	C-116	Total/NA	Solid	Total BTEX	
880-21869-6	C-117	Total/NA	Solid	Total BTEX	
880-21869-7	C-122	Total/NA	Solid	Total BTEX	
880-21869-8	C-123	Total/NA	Solid	Total BTEX	
880-21869-9	C-124	Total/NA	Solid	Total BTEX	
880-21869-10	C-125	Total/NA	Solid	Total BTEX	
880-21869-11	SW-13	Total/NA	Solid	Total BTEX	
880-21869-12	SW-14	Total/NA	Solid	Total BTEX	
880-21869-13	SW-15	Total/NA	Solid	Total BTEX	
880-21869-14	SW-17	Total/NA	Solid	Total BTEX	
880-21869-15	C-19	Total/NA	Solid	Total BTEX	
880-21869-16	C-21	Total/NA	Solid	Total BTEX	
880-21869-17	C-22	Total/NA	Solid	Total BTEX	
880-21869-18	C-23	Total/NA	Solid	Total BTEX	
880-21869-19	C-24	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 40473 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-20	C-25	Total/NA	Solid	Total BTEX	
880-21869-21	C-26	Total/NA	Solid	Total BTEX	
880-21869-22	C-27	Total/NA	Solid	Total BTEX	
880-21869-23	SW-2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 40387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-1	C-110	Total/NA	Solid	8015NM Prep	
880-21869-2	C-112	Total/NA	Solid	8015NM Prep	
880-21869-3	C-113	Total/NA	Solid	8015NM Prep	
880-21869-4	C-115	Total/NA	Solid	8015NM Prep	
880-21869-5	C-116	Total/NA	Solid	8015NM Prep	
880-21869-6	C-117	Total/NA	Solid	8015NM Prep	
880-21869-7	C-122	Total/NA	Solid	8015NM Prep	
880-21869-8	C-123	Total/NA	Solid	8015NM Prep	
880-21869-9	C-124	Total/NA	Solid	8015NM Prep	
880-21869-10	C-125	Total/NA	Solid	8015NM Prep	
880-21869-11	SW-13	Total/NA	Solid	8015NM Prep	
880-21869-12	SW-14	Total/NA	Solid	8015NM Prep	
880-21869-13	SW-15	Total/NA	Solid	8015NM Prep	
880-21869-14	SW-17	Total/NA	Solid	8015NM Prep	
MB 880-40387/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40387/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40387/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21869-1 MS	C-110	Total/NA	Solid	8015NM Prep	
880-21869-1 MSD	C-110	Total/NA	Solid	8015NM Prep	

Prep Batch: 40390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-15	C-19	Total/NA	Solid	8015NM Prep	
880-21869-16	C-21	Total/NA	Solid	8015NM Prep	
880-21869-17	C-22	Total/NA	Solid	8015NM Prep	
880-21869-18	C-23	Total/NA	Solid	8015NM Prep	
880-21869-19	C-24	Total/NA	Solid	8015NM Prep	
880-21869-20	C-25	Total/NA	Solid	8015NM Prep	
880-21869-21	C-26	Total/NA	Solid	8015NM Prep	
880-21869-22	C-27	Total/NA	Solid	8015NM Prep	
880-21869-23	SW-2	Total/NA	Solid	8015NM Prep	
MB 880-40390/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40390/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40390/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21869-15 MS	C-19	Total/NA	Solid	8015NM Prep	
880-21869-15 MSD	C-19	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-1	C-110	Total/NA	Solid	8015B NM	40387
880-21869-2	C-112	Total/NA	Solid	8015B NM	40387
880-21869-3	C-113	Total/NA	Solid	8015B NM	40387

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Analysis Batch: 40408 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-4	C-115	Total/NA	Solid	8015B NM	40387
880-21869-5	C-116	Total/NA	Solid	8015B NM	40387
880-21869-6	C-117	Total/NA	Solid	8015B NM	40387
880-21869-7	C-122	Total/NA	Solid	8015B NM	40387
880-21869-8	C-123	Total/NA	Solid	8015B NM	40387
880-21869-9	C-124	Total/NA	Solid	8015B NM	40387
880-21869-10	C-125	Total/NA	Solid	8015B NM	40387
880-21869-11	SW-13	Total/NA	Solid	8015B NM	40387
880-21869-12	SW-14	Total/NA	Solid	8015B NM	40387
880-21869-13	SW-15	Total/NA	Solid	8015B NM	40387
880-21869-14	SW-17	Total/NA	Solid	8015B NM	40387
MB 880-40387/1-A	Method Blank	Total/NA	Solid	8015B NM	40387
LCS 880-40387/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40387
LCSD 880-40387/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40387
880-21869-1 MS	C-110	Total/NA	Solid	8015B NM	40387
880-21869-1 MSD	C-110	Total/NA	Solid	8015B NM	40387

Analysis Batch: 40410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-15	C-19	Total/NA	Solid	8015B NM	40390
880-21869-16	C-21	Total/NA	Solid	8015B NM	40390
880-21869-17	C-22	Total/NA	Solid	8015B NM	40390
880-21869-18	C-23	Total/NA	Solid	8015B NM	40390
880-21869-19	C-24	Total/NA	Solid	8015B NM	40390
880-21869-20	C-25	Total/NA	Solid	8015B NM	40390
880-21869-21	C-26	Total/NA	Solid	8015B NM	40390
880-21869-22	C-27	Total/NA	Solid	8015B NM	40390
880-21869-23	SW-2	Total/NA	Solid	8015B NM	40390
MB 880-40390/1-A	Method Blank	Total/NA	Solid	8015B NM	40390
LCS 880-40390/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40390
LCSD 880-40390/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40390
880-21869-15 MS	C-19	Total/NA	Solid	8015B NM	40390
880-21869-15 MSD	C-19	Total/NA	Solid	8015B NM	40390

Analysis Batch: 40603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-1	C-110	Total/NA	Solid	8015 NM	
880-21869-2	C-112	Total/NA	Solid	8015 NM	
880-21869-3	C-113	Total/NA	Solid	8015 NM	
880-21869-4	C-115	Total/NA	Solid	8015 NM	
880-21869-5	C-116	Total/NA	Solid	8015 NM	
880-21869-6	C-117	Total/NA	Solid	8015 NM	
880-21869-7	C-122	Total/NA	Solid	8015 NM	
880-21869-8	C-123	Total/NA	Solid	8015 NM	
880-21869-9	C-124	Total/NA	Solid	8015 NM	
880-21869-10	C-125	Total/NA	Solid	8015 NM	
880-21869-11	SW-13	Total/NA	Solid	8015 NM	
880-21869-12	SW-14	Total/NA	Solid	8015 NM	
880-21869-13	SW-15	Total/NA	Solid	8015 NM	
880-21869-14	SW-17	Total/NA	Solid	8015 NM	
880-21869-15	C-19	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Analysis Batch: 40603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-16	C-21	Total/NA	Solid	8015 NM	
880-21869-17	C-22	Total/NA	Solid	8015 NM	
880-21869-18	C-23	Total/NA	Solid	8015 NM	
880-21869-19	C-24	Total/NA	Solid	8015 NM	
880-21869-20	C-25	Total/NA	Solid	8015 NM	
880-21869-21	C-26	Total/NA	Solid	8015 NM	
880-21869-22	C-27	Total/NA	Solid	8015 NM	
880-21869-23	SW-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-18	C-23	Soluble	Solid	DI Leach	
880-21869-19	C-24	Soluble	Solid	DI Leach	
880-21869-20	C-25	Soluble	Solid	DI Leach	
880-21869-21	C-26	Soluble	Solid	DI Leach	
880-21869-22	C-27	Soluble	Solid	DI Leach	
880-21869-23	SW-2	Soluble	Solid	DI Leach	
MB 880-40373/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40373/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40373/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21869-18 MS	C-23	Soluble	Solid	DI Leach	
880-21869-18 MSD	C-23	Soluble	Solid	DI Leach	

Leach Batch: 40383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-1	C-110	Soluble	Solid	DI Leach	
880-21869-2	C-112	Soluble	Solid	DI Leach	
880-21869-3	C-113	Soluble	Solid	DI Leach	
880-21869-4	C-115	Soluble	Solid	DI Leach	
880-21869-5	C-116	Soluble	Solid	DI Leach	
880-21869-6	C-117	Soluble	Solid	DI Leach	
880-21869-7	C-122	Soluble	Solid	DI Leach	
880-21869-8	C-123	Soluble	Solid	DI Leach	
880-21869-9	C-124	Soluble	Solid	DI Leach	
880-21869-10	C-125	Soluble	Solid	DI Leach	
880-21869-11	SW-13	Soluble	Solid	DI Leach	
880-21869-12	SW-14	Soluble	Solid	DI Leach	
880-21869-13	SW-15	Soluble	Solid	DI Leach	
880-21869-14	SW-17	Soluble	Solid	DI Leach	
880-21869-15	C-19	Soluble	Solid	DI Leach	
880-21869-16	C-21	Soluble	Solid	DI Leach	
880-21869-17	C-22	Soluble	Solid	DI Leach	
MB 880-40383/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40383/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40383/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21869-8 MS	C-123	Soluble	Solid	DI Leach	
880-21869-8 MSD	C-123	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

HPLC/IC

Analysis Batch: 40499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-18	C-23	Soluble	Solid	300.0	40373
880-21869-19	C-24	Soluble	Solid	300.0	40373
880-21869-20	C-25	Soluble	Solid	300.0	40373
880-21869-21	C-26	Soluble	Solid	300.0	40373
880-21869-22	C-27	Soluble	Solid	300.0	40373
880-21869-23	SW-2	Soluble	Solid	300.0	40373
MB 880-40373/1-A	Method Blank	Soluble	Solid	300.0	40373
LCS 880-40373/2-A	Lab Control Sample	Soluble	Solid	300.0	40373
LCSD 880-40373/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40373
880-21869-18 MS	C-23	Soluble	Solid	300.0	40373
880-21869-18 MSD	C-23	Soluble	Solid	300.0	40373

Analysis Batch: 40501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21869-1	C-110	Soluble	Solid	300.0	40383
880-21869-2	C-112	Soluble	Solid	300.0	40383
880-21869-3	C-113	Soluble	Solid	300.0	40383
880-21869-4	C-115	Soluble	Solid	300.0	40383
880-21869-5	C-116	Soluble	Solid	300.0	40383
880-21869-6	C-117	Soluble	Solid	300.0	40383
880-21869-7	C-122	Soluble	Solid	300.0	40383
880-21869-8	C-123	Soluble	Solid	300.0	40383
880-21869-9	C-124	Soluble	Solid	300.0	40383
880-21869-10	C-125	Soluble	Solid	300.0	40383
880-21869-11	SW-13	Soluble	Solid	300.0	40383
880-21869-12	SW-14	Soluble	Solid	300.0	40383
880-21869-13	SW-15	Soluble	Solid	300.0	40383
880-21869-14	SW-17	Soluble	Solid	300.0	40383
880-21869-15	C-19	Soluble	Solid	300.0	40383
880-21869-16	C-21	Soluble	Solid	300.0	40383
880-21869-17	C-22	Soluble	Solid	300.0	40383
MB 880-40383/1-A	Method Blank	Soluble	Solid	300.0	40383
LCS 880-40383/2-A	Lab Control Sample	Soluble	Solid	300.0	40383
LCSD 880-40383/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40383
880-21869-8 MS	C-123	Soluble	Solid	300.0	40383
880-21869-8 MSD	C-123	Soluble	Solid	300.0	40383

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-110

Lab Sample ID: 880-21869-1

Date Collected: 11/14/22 11:21

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/23/22 23:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	40501	11/29/22 05:32	CH	EET MID

Client Sample ID: C-112

Lab Sample ID: 880-21869-2

Date Collected: 11/14/22 11:31

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 17:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40501	11/29/22 05:40	CH	EET MID

Client Sample ID: C-113

Lab Sample ID: 880-21869-3

Date Collected: 11/14/22 11:35

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 18:08	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40501	11/29/22 06:04	CH	EET MID

Client Sample ID: C-115

Lab Sample ID: 880-21869-4

Date Collected: 11/14/22 12:16

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 14:50	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-115

Lab Sample ID: 880-21869-4

Date Collected: 11/14/22 12:16

Matrix: Solid

Date Received: 11/22/22 08:41

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			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 18:30	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40501	11/29/22 06:12	CH	EET MID

Client Sample ID: C-116

Lab Sample ID: 880-21869-5

Date Collected: 11/14/22 12:20

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 01:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 18:53	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40501	11/29/22 06:20	CH	EET MID

Client Sample ID: C-117

Lab Sample ID: 880-21869-6

Date Collected: 11/14/22 12:23

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 01:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 19:14	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40501	11/29/22 06:28	CH	EET MID

Client Sample ID: C-122

Lab Sample ID: 880-21869-7

Date Collected: 11/14/22 12:45

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 19:36	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-122

Lab Sample ID: 880-21869-7

Date Collected: 11/14/22 12:45

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40501	11/29/22 06:37	CH	EET MID

Client Sample ID: C-123

Lab Sample ID: 880-21869-8

Date Collected: 11/14/22 13:28

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 02:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 19:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40501	11/29/22 06:45	CH	EET MID

Client Sample ID: C-124

Lab Sample ID: 880-21869-9

Date Collected: 11/14/22 13:31

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 02:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 20:21	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40501	11/29/22 07:09	CH	EET MID

Client Sample ID: C-125

Lab Sample ID: 880-21869-10

Date Collected: 11/14/22 13:35

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 02:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 20:43	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40501	11/29/22 07:17	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: SW-13

Lab Sample ID: 880-21869-11

Date Collected: 11/15/22 14:45

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/25/22 21:29	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 21:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	40501	11/29/22 07:41	CH	EET MID

Client Sample ID: SW-14

Lab Sample ID: 880-21869-12

Date Collected: 11/15/22 15:00

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/25/22 21:49	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 22:13	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40501	11/29/22 07:50	CH	EET MID

Client Sample ID: SW-15

Lab Sample ID: 880-21869-13

Date Collected: 11/15/22 15:15

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/25/22 22:10	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 22:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40501	11/29/22 07:58	CH	EET MID

Client Sample ID: SW-17

Lab Sample ID: 880-21869-14

Date Collected: 11/15/22 15:30

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/25/22 22:31	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: SW-17

Lab Sample ID: 880-21869-14

Date Collected: 11/15/22 15:30

Matrix: Solid

Date Received: 11/22/22 08:41

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			40603	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/28/22 22:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40501	11/29/22 08:06	CH	EET MID

Client Sample ID: C-19

Lab Sample ID: 880-21869-15

Date Collected: 11/16/22 10:15

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/25/22 22:51	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40390	11/28/22 09:13	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40410	11/28/22 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40501	11/29/22 08:14	CH	EET MID

Client Sample ID: C-21

Lab Sample ID: 880-21869-16

Date Collected: 11/16/22 10:28

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/25/22 23:12	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40390	11/28/22 09:13	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40410	11/28/22 17:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40501	11/29/22 08:22	CH	EET MID

Client Sample ID: C-22

Lab Sample ID: 880-21869-17

Date Collected: 11/16/22 10:34

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/25/22 23:33	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40390	11/28/22 09:13	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40410	11/28/22 18:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-22

Lab Sample ID: 880-21869-17

Date Collected: 11/16/22 10:34

Matrix: Solid

Date Received: 11/22/22 08:41

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	40383	11/28/22 08:48	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40501	11/29/22 08:30	CH	EET MID

Client Sample ID: C-23

Lab Sample ID: 880-21869-18

Date Collected: 11/16/22 10:39

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/25/22 23:54	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40390	11/28/22 09:13	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40410	11/28/22 18:30	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40373	11/28/22 08:41	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40499	11/28/22 19:22	CH	EET MID

Client Sample ID: C-24

Lab Sample ID: 880-21869-19

Date Collected: 11/16/22 10:46

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/26/22 00:14	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40390	11/28/22 09:13	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40410	11/28/22 18:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40373	11/28/22 08:41	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40499	11/28/22 19:46	CH	EET MID

Client Sample ID: C-25

Lab Sample ID: 880-21869-20

Date Collected: 11/16/22 10:54

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/26/22 00:35	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40390	11/28/22 09:13	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40410	11/28/22 19:14	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40373	11/28/22 08:41	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40499	11/28/22 19:55	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Client Sample ID: C-26

Lab Sample ID: 880-21869-21

Date Collected: 11/16/22 11:00

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/26/22 01:59	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40390	11/28/22 09:13	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40410	11/28/22 19:36	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	40373	11/28/22 08:41	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40499	11/28/22 20:03	CH	EET MID

Client Sample ID: C-27

Lab Sample ID: 880-21869-22

Date Collected: 11/16/22 11:03

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/26/22 02:19	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40390	11/28/22 09:13	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40410	11/28/22 19:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40373	11/28/22 08:41	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40499	11/28/22 20:11	CH	EET MID

Client Sample ID: SW-2

Lab Sample ID: 880-21869-23

Date Collected: 11/16/22 11:30

Matrix: Solid

Date Received: 11/22/22 08:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	40342	11/23/22 15:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40359	11/26/22 02:40	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40473	11/28/22 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			40603	11/29/22 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40390	11/28/22 09:13	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40410	11/28/22 20:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40373	11/28/22 08:41	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40499	11/28/22 20:35	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: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

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: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Breakwater-Hayburst Pond 2

Job ID: 880-21869-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21869-1	C-110	Solid	11/14/22 11:21	11/22/22 08:41
880-21869-2	C-112	Solid	11/14/22 11:31	11/22/22 08:41
880-21869-3	C-113	Solid	11/14/22 11:35	11/22/22 08:41
880-21869-4	C-115	Solid	11/14/22 12:16	11/22/22 08:41
880-21869-5	C-116	Solid	11/14/22 12:20	11/22/22 08:41
880-21869-6	C-117	Solid	11/14/22 12:23	11/22/22 08:41
880-21869-7	C-122	Solid	11/14/22 12:45	11/22/22 08:41
880-21869-8	C-123	Solid	11/14/22 13:28	11/22/22 08:41
880-21869-9	C-124	Solid	11/14/22 13:31	11/22/22 08:41
880-21869-10	C-125	Solid	11/14/22 13:35	11/22/22 08:41
880-21869-11	SW-13	Solid	11/15/22 14:45	11/22/22 08:41
880-21869-12	SW-14	Solid	11/15/22 15:00	11/22/22 08:41
880-21869-13	SW-15	Solid	11/15/22 15:15	11/22/22 08:41
880-21869-14	SW-17	Solid	11/15/22 15:30	11/22/22 08:41
880-21869-15	C-19	Solid	11/16/22 10:15	11/22/22 08:41
880-21869-16	C-21	Solid	11/16/22 10:28	11/22/22 08:41
880-21869-17	C-22	Solid	11/16/22 10:34	11/22/22 08:41
880-21869-18	C-23	Solid	11/16/22 10:39	11/22/22 08:41
880-21869-19	C-24	Solid	11/16/22 10:46	11/22/22 08:41
880-21869-20	C-25	Solid	11/16/22 10:54	11/22/22 08:41
880-21869-21	C-26	Solid	11/16/22 11:00	11/22/22 08:41
880-21869-22	C-27	Solid	11/16/22 11:03	11/22/22 08:41
880-21869-23	SW-2	Solid	11/16/22 11:30	11/22/22 08:41

11/29/2022

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-21869-1

SDG Number: 22-0107-01

Login Number: 21869**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 12/16/2022 8:48:34 AM

JOB DESCRIPTION

Hay Hurst Pond Z
SDG NUMBER 22-0107-01

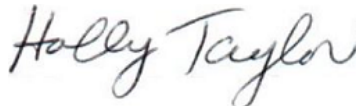
JOB NUMBER

880-22328-1

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
12/16/2022 8:48:34 AM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Laboratory Job ID: 880-22328-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Job ID: 880-22328-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-22328-1**

Receipt

The samples were received on 12/6/2022 8:29 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 3.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-131 (880-22328-1), C-132 (880-22328-2), C-133 (880-22328-3), C-134 (880-22328-4), C-135 (880-22328-5), C-136 (880-22328-6), C-137 (880-22328-7), C-138 (880-22328-8), C-139 (880-22328-9), C-140 (880-22328-10), C-141 (880-22328-11), C-142 (880-22328-12), C-143 (880-22328-13), C-144 (880-22328-14), C-145 (880-22328-15), C-146 (880-22328-16), C-148 (880-22328-17), C-149 (880-22328-18), C-150 (880-22328-19), C-151 (880-22328-20), C-152 (880-22328-21), C-153 (880-22328-22), C-154 (880-22328-23), C-155 (880-22328-24), C-156 (880-22328-25), C-158 (880-22328-26), C-159 (880-22328-27), C-160 (880-22328-28), SW-18 (880-22328-29), SW-19 (880-22328-30), SW-20 (880-22328-31) and C-157 (880-22328-32).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-131 (880-22328-1), C-133 (880-22328-3), C-134 (880-22328-4) and (880-22122-A-50-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-41400/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: C-143 (880-22328-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-41667 and analytical batch 880-41835 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-41753 and analytical batch 880-41835 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-41382 and analytical batch 880-41511 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-154 (880-22328-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-19 (880-22328-30). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-41375 and analytical batch 880-41413 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-41375/2-A) and (LCSD 880-41375/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-131 (880-22328-1). Evidence of matrix

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Job ID: 880-22328-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

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-132 (880-22328-2), C-133 (880-22328-3), C-134 (880-22328-4), C-135 (880-22328-5), C-136 (880-22328-6), C-137 (880-22328-7), C-138 (880-22328-8), C-139 (880-22328-9), C-140 (880-22328-10) and (880-22328-A-1-G MSD). 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-141 (880-22328-11), C-142 (880-22328-12), C-143 (880-22328-13), C-144 (880-22328-14), C-145 (880-22328-15), C-146 (880-22328-16), C-148 (880-22328-17), C-149 (880-22328-18), C-150 (880-22328-19) and C-151 (880-22328-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-41375 and analytical batch 880-41413 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The method blank for preparation batch 880-41355 and 880-41355 and analytical batch 880-41735 contained chloride above the method detection limit (MDL) Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-41258 and 880-41258 and analytical batch 880-41538 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: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-131

Lab Sample ID: 880-22328-1

Date Collected: 11/30/22 14:30

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/08/22 16:23	12/14/22 07:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:23	12/14/22 07:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:23	12/14/22 07:02	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/08/22 16:23	12/14/22 07:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:23	12/14/22 07:02	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/08/22 16:23	12/14/22 07:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130	12/08/22 16:23	12/14/22 07:02	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/08/22 16:23	12/14/22 07:02	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			12/14/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/09/22 21:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0	mg/Kg		12/08/22 12:57	12/09/22 21:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/09/22 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130	12/08/22 12:57	12/09/22 21:54	1
o-Terphenyl (Surr)	144	S1+	70 - 130	12/08/22 12:57	12/09/22 21:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		5.00	mg/Kg			12/13/22 19:17	1

Client Sample ID: C-132

Lab Sample ID: 880-22328-2

Date Collected: 11/30/22 14:40

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/08/22 16:23	12/14/22 07:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:23	12/14/22 07:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:23	12/14/22 07:22	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/08/22 16:23	12/14/22 07:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:23	12/14/22 07:22	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/08/22 16:23	12/14/22 07:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/08/22 16:23	12/14/22 07:22	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/08/22 16:23	12/14/22 07:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-132

Lab Sample ID: 880-22328-2

Date Collected: 11/30/22 14:40

Matrix: Solid

Date Received: 12/06/22 08:29

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			12/14/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/09/22 22:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/09/22 22:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/09/22 22:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130			12/08/22 12:57	12/09/22 22:59	1
o-Terphenyl (Surr)	143	S1+	70 - 130			12/08/22 12:57	12/09/22 22:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		5.04	mg/Kg			12/13/22 19:38	1

Client Sample ID: C-133

Lab Sample ID: 880-22328-3

Date Collected: 11/30/22 14:50

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/08/22 16:23	12/14/22 07:43	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/22 16:23	12/14/22 07:43	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/22 16:23	12/14/22 07:43	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/22 16:23	12/14/22 07:43	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/22 16:23	12/14/22 07:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/22 16:23	12/14/22 07:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130			12/08/22 16:23	12/14/22 07:43	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/08/22 16:23	12/14/22 07:43	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			12/14/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/09/22 23:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/09/22 23:20	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-133

Lab Sample ID: 880-22328-3

Date Collected: 11/30/22 14:50

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/08/22 12:57	12/09/22 23:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	151	S1+	70 - 130			12/08/22 12:57	12/09/22 23:20	1
o-Terphenyl (Surr)	170	S1+	70 - 130			12/08/22 12:57	12/09/22 23:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		5.03	mg/Kg			12/13/22 19:45	1

Client Sample ID: C-134

Lab Sample ID: 880-22328-4

Date Collected: 11/30/22 15:00

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/08/22 16:23	12/14/22 08:03	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/08/22 16:23	12/14/22 08:03	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/08/22 16:23	12/14/22 08:03	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/08/22 16:23	12/14/22 08:03	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/08/22 16:23	12/14/22 08:03	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/08/22 16:23	12/14/22 08:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130			12/08/22 16:23	12/14/22 08:03	1
1,4-Difluorobenzene (Surr)	106		70 - 130			12/08/22 16:23	12/14/22 08:03	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			12/14/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/09/22 23:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/09/22 23:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/09/22 23:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130			12/08/22 12:57	12/09/22 23:42	1
o-Terphenyl (Surr)	140	S1+	70 - 130			12/08/22 12:57	12/09/22 23:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.0		5.05	mg/Kg			12/13/22 19:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-135

Lab Sample ID: 880-22328-5

Date Collected: 12/01/22 07:40

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:00	12/15/22 13:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 13:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 13:30	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 13:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 13:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/13/22 13:00	12/15/22 13:30	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/13/22 13:00	12/15/22 13:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 00:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 00:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	141	S1+	70 - 130	12/08/22 12:57	12/10/22 00:03	1
o-Terphenyl (Surr)	158	S1+	70 - 130	12/08/22 12:57	12/10/22 00:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.5		4.95	mg/Kg			12/13/22 20:00	1

Client Sample ID: C-136

Lab Sample ID: 880-22328-6

Date Collected: 12/01/22 08:00

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:00	12/15/22 13:51	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 13:51	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 13:51	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 13:51	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 13:51	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/13/22 13:00	12/15/22 13:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/13/22 13:00	12/15/22 13:51	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-136

Lab Sample ID: 880-22328-6

Date Collected: 12/01/22 08:00

Matrix: Solid

Date Received: 12/06/22 08:29

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			12/15/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 00:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 00:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 00:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130			12/08/22 12:57	12/10/22 00:25	1
o-Terphenyl (Surr)	142	S1+	70 - 130			12/08/22 12:57	12/10/22 00:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.8		5.03	mg/Kg			12/13/22 20:22	1

Client Sample ID: C-137

Lab Sample ID: 880-22328-7

Date Collected: 12/01/22 08:10

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:00	12/15/22 14:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 14:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 14:11	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/13/22 13:00	12/15/22 14:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 14:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/22 13:00	12/15/22 14:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130			12/13/22 13:00	12/15/22 14:11	1
1,4-Difluorobenzene (Surr)	117		70 - 130			12/13/22 13:00	12/15/22 14:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/15/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 00:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/08/22 12:57	12/10/22 00:46	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-137

Lab Sample ID: 880-22328-7

Date Collected: 12/01/22 08:10

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/08/22 12:57	12/10/22 00:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	145	S1+	70 - 130			12/08/22 12:57	12/10/22 00:46	1
o-Terphenyl (Surr)	161	S1+	70 - 130			12/08/22 12:57	12/10/22 00:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	276		5.01	mg/Kg			12/13/22 20:29	1

Client Sample ID: C-138

Lab Sample ID: 880-22328-8

Date Collected: 12/01/22 08:20

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:00	12/15/22 14:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 14:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 14:32	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/13/22 13:00	12/15/22 14:32	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:00	12/15/22 14:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/22 13:00	12/15/22 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			12/13/22 13:00	12/15/22 14:32	1
1,4-Difluorobenzene (Surr)	113		70 - 130			12/13/22 13:00	12/15/22 14:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/15/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/10/22 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/10/22 01:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	144	S1+	70 - 130			12/08/22 12:57	12/10/22 01:08	1
o-Terphenyl (Surr)	160	S1+	70 - 130			12/08/22 12:57	12/10/22 01:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.3		5.00	mg/Kg			12/13/22 20:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-139

Lab Sample ID: 880-22328-9

Date Collected: 12/01/22 08:30

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:00	12/15/22 14:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 14:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 14:52	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/13/22 13:00	12/15/22 14:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 14:52	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/13/22 13:00	12/15/22 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	12/13/22 13:00	12/15/22 14:52	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/13/22 13:00	12/15/22 14:52	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			12/15/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 01:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/10/22 01:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/10/22 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	12/08/22 12:57	12/10/22 01:29	1
o-Terphenyl (Surr)	141	S1+	70 - 130	12/08/22 12:57	12/10/22 01:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.8		4.96	mg/Kg			12/13/22 20:43	1

Client Sample ID: C-140

Lab Sample ID: 880-22328-10

Date Collected: 12/01/22 08:40

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:00	12/15/22 15:13	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 15:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 15:13	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 15:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:00	12/15/22 15:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 13:00	12/15/22 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/13/22 13:00	12/15/22 15:13	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/13/22 13:00	12/15/22 15:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-140

Lab Sample ID: 880-22328-10

Date Collected: 12/01/22 08:40

Matrix: Solid

Date Received: 12/06/22 08:29

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			12/15/22 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 01:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 01:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 01:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	142	S1+	70 - 130			12/08/22 12:57	12/10/22 01:51	1
o-Terphenyl (Surr)	160	S1+	70 - 130			12/08/22 12:57	12/10/22 01:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.4		4.96	mg/Kg			12/13/22 20:51	1

Client Sample ID: C-141

Lab Sample ID: 880-22328-11

Date Collected: 12/01/22 08:50

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/14/22 12:07	12/15/22 01:09	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/14/22 12:07	12/15/22 01:09	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/14/22 12:07	12/15/22 01:09	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/14/22 12:07	12/15/22 01:09	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/14/22 12:07	12/15/22 01:09	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/14/22 12:07	12/15/22 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			12/14/22 12:07	12/15/22 01:09	1
1,4-Difluorobenzene (Surr)	74		70 - 130			12/14/22 12:07	12/15/22 01:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/15/22 11:43	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			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 02:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 02:34	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-141

Lab Sample ID: 880-22328-11

Date Collected: 12/01/22 08:50

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/08/22 12:57	12/10/22 02:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130			12/08/22 12:57	12/10/22 02:34	1
o-Terphenyl (Surr)	149	S1+	70 - 130			12/08/22 12:57	12/10/22 02:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.5		4.95	mg/Kg			12/13/22 20:58	1

Client Sample ID: C-142

Lab Sample ID: 880-22328-12

Date Collected: 12/01/22 08:50

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/14/22 12:07	12/15/22 01:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 01:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 01:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/14/22 12:07	12/15/22 01:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 01:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/14/22 12:07	12/15/22 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			12/14/22 12:07	12/15/22 01:29	1
1,4-Difluorobenzene (Surr)	90		70 - 130			12/14/22 12:07	12/15/22 01:29	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			12/15/22 11:43	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			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 02:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/10/22 02:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/10/22 02:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	137	S1+	70 - 130			12/08/22 12:57	12/10/22 02:56	1
o-Terphenyl (Surr)	152	S1+	70 - 130			12/08/22 12:57	12/10/22 02:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.2		5.05	mg/Kg			12/13/22 21:20	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-143

Lab Sample ID: 880-22328-13

Date Collected: 12/01/22 11:40

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/14/22 12:07	12/15/22 01:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 01:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 01:50	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/14/22 12:07	12/15/22 01:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 01:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/14/22 12:07	12/15/22 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	12/14/22 12:07	12/15/22 01:50	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/14/22 12:07	12/15/22 01:50	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			12/15/22 11:43	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			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 05:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 05:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 05:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130	12/08/22 12:57	12/10/22 05:27	1
o-Terphenyl (Surr)	142	S1+	70 - 130	12/08/22 12:57	12/10/22 05:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.4	F1	5.04	mg/Kg			12/14/22 03:51	1

Client Sample ID: C-144

Lab Sample ID: 880-22328-14

Date Collected: 12/01/22 11:55

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/14/22 12:07	12/15/22 02:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/14/22 12:07	12/15/22 02:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/14/22 12:07	12/15/22 02:11	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/14/22 12:07	12/15/22 02:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/14/22 12:07	12/15/22 02:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/14/22 12:07	12/15/22 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/14/22 12:07	12/15/22 02:11	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/14/22 12:07	12/15/22 02:11	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-144

Lab Sample ID: 880-22328-14

Date Collected: 12/01/22 11:55

Matrix: Solid

Date Received: 12/06/22 08:29

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			12/15/22 11:43	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			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 05:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/10/22 05:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/10/22 05:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130			12/08/22 12:57	12/10/22 05:48	1
o-Terphenyl (Surr)	150	S1+	70 - 130			12/08/22 12:57	12/10/22 05:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.3		4.99	mg/Kg			12/14/22 04:12	1

Client Sample ID: C-145

Lab Sample ID: 880-22328-15

Date Collected: 12/01/22 12:15

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/14/22 12:07	12/15/22 02:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 02:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 02:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/14/22 12:07	12/15/22 02:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 02:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/14/22 12:07	12/15/22 02:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			12/14/22 12:07	12/15/22 02:31	1
1,4-Difluorobenzene (Surr)	84		70 - 130			12/14/22 12:07	12/15/22 02:31	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			12/15/22 11:43	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			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 03:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 03:17	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-145

Lab Sample ID: 880-22328-15

Date Collected: 12/01/22 12:15

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/08/22 12:57	12/10/22 03:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130			12/08/22 12:57	12/10/22 03:17	1
o-Terphenyl (Surr)	149	S1+	70 - 130			12/08/22 12:57	12/10/22 03:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.4		4.98	mg/Kg			12/14/22 04:19	1

Client Sample ID: C-146

Lab Sample ID: 880-22328-16

Date Collected: 12/01/22 12:25

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/14/22 12:07	12/15/22 02:52	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/14/22 12:07	12/15/22 02:52	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		12/14/22 12:07	12/15/22 02:52	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		12/14/22 12:07	12/15/22 02:52	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/14/22 12:07	12/15/22 02:52	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		12/14/22 12:07	12/15/22 02:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			12/14/22 12:07	12/15/22 02:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130			12/14/22 12:07	12/15/22 02:52	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			12/15/22 11:43	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			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 03:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 03:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 03:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	140	S1+	70 - 130			12/08/22 12:57	12/10/22 03:39	1
o-Terphenyl (Surr)	156	S1+	70 - 130			12/08/22 12:57	12/10/22 03:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	237		4.95	mg/Kg			12/14/22 04:27	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-148

Lab Sample ID: 880-22328-17

Date Collected: 12/01/22 14:40

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/14/22 12:07	12/15/22 03:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/14/22 12:07	12/15/22 03:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/14/22 12:07	12/15/22 03:12	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/14/22 12:07	12/15/22 03:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/14/22 12:07	12/15/22 03:12	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/14/22 12:07	12/15/22 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/14/22 12:07	12/15/22 03:12	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/14/22 12:07	12/15/22 03:12	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			12/15/22 11:43	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			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 04:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/10/22 04:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/22 12:57	12/10/22 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130	12/08/22 12:57	12/10/22 04:00	1
o-Terphenyl (Surr)	137	S1+	70 - 130	12/08/22 12:57	12/10/22 04:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	255		5.01	mg/Kg			12/14/22 04:34	1

Client Sample ID: C-149

Lab Sample ID: 880-22328-18

Date Collected: 12/01/22 14:55

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/14/22 12:07	12/15/22 03:33	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/14/22 12:07	12/15/22 03:33	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/14/22 12:07	12/15/22 03:33	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		12/14/22 12:07	12/15/22 03:33	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/14/22 12:07	12/15/22 03:33	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		12/14/22 12:07	12/15/22 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/14/22 12:07	12/15/22 03:33	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/14/22 12:07	12/15/22 03:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-149

Lab Sample ID: 880-22328-18

Date Collected: 12/01/22 14:55

Matrix: Solid

Date Received: 12/06/22 08:29

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			12/15/22 11:43	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			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 04:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 04:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 04:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	149	S1+	70 - 130			12/08/22 12:57	12/10/22 04:22	1
o-Terphenyl (Surr)	166	S1+	70 - 130			12/08/22 12:57	12/10/22 04:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		4.97	mg/Kg			12/14/22 04:56	1

Client Sample ID: C-150

Lab Sample ID: 880-22328-19

Date Collected: 12/01/22 15:05

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/14/22 12:07	12/15/22 03:54	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 03:54	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 03:54	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/14/22 12:07	12/15/22 03:54	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/14/22 12:07	12/15/22 03:54	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/14/22 12:07	12/15/22 03:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			12/14/22 12:07	12/15/22 03:54	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/14/22 12:07	12/15/22 03:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 11:43	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			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 04:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 04:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-150

Lab Sample ID: 880-22328-19

Date Collected: 12/01/22 15:05

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/08/22 12:57	12/10/22 04:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130			12/08/22 12:57	12/10/22 04:44	1
o-Terphenyl (Surr)	151	S1+	70 - 130			12/08/22 12:57	12/10/22 04:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		4.98	mg/Kg			12/14/22 05:03	1

Client Sample ID: C-151

Lab Sample ID: 880-22328-20

Date Collected: 12/02/22 08:00

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 16:19	12/16/22 05:04	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/22 16:19	12/16/22 05:04	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/22 16:19	12/16/22 05:04	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/13/22 16:19	12/16/22 05:04	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/22 16:19	12/16/22 05:04	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/22 16:19	12/16/22 05:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			12/13/22 16:19	12/16/22 05:04	1
1,4-Difluorobenzene (Surr)	95		70 - 130			12/13/22 16:19	12/16/22 05:04	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			12/16/22 09:27	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			12/12/22 13:01	1

Method: 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		12/08/22 12:57	12/10/22 05:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 05:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/10/22 05:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	143	S1+	70 - 130			12/08/22 12:57	12/10/22 05:05	1
o-Terphenyl (Surr)	159	S1+	70 - 130			12/08/22 12:57	12/10/22 05:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.4		5.05	mg/Kg			12/14/22 05:10	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-152

Lab Sample ID: 880-22328-21

Date Collected: 12/02/22 08:20

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 16:19	12/16/22 05:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 16:19	12/16/22 05:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 16:19	12/16/22 05:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 16:19	12/16/22 05:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 16:19	12/16/22 05:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 16:19	12/16/22 05:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/13/22 16:19	12/16/22 05:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/13/22 16:19	12/16/22 05:25	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			12/16/22 09:27	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			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 21:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 21:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	12/08/22 14:16	12/10/22 21:17	1
o-Terphenyl (Surr)	115		70 - 130	12/08/22 14:16	12/10/22 21:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191		5.03	mg/Kg			12/14/22 05:17	1

Client Sample ID: C-153

Lab Sample ID: 880-22328-22

Date Collected: 12/02/22 08:30

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 16:19	12/16/22 05:45	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/13/22 16:19	12/16/22 05:45	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		12/13/22 16:19	12/16/22 05:45	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		12/13/22 16:19	12/16/22 05:45	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/13/22 16:19	12/16/22 05:45	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		12/13/22 16:19	12/16/22 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/13/22 16:19	12/16/22 05:45	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/13/22 16:19	12/16/22 05:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-153

Lab Sample ID: 880-22328-22

Date Collected: 12/02/22 08:30

Matrix: Solid

Date Received: 12/06/22 08:29

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			12/16/22 09:27	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			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/10/22 22:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/10/22 22:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/10/22 22:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			12/08/22 14:16	12/10/22 22:19	1
o-Terphenyl (Surr)	126		70 - 130			12/08/22 14:16	12/10/22 22:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	443		5.05	mg/Kg			12/14/22 05:24	1

Client Sample ID: C-154

Lab Sample ID: 880-22328-23

Date Collected: 12/02/22 08:40

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:34	12/15/22 16:04	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:34	12/15/22 16:04	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:34	12/15/22 16:04	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/13/22 13:34	12/15/22 16:04	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:34	12/15/22 16:04	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/22 13:34	12/15/22 16:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			12/13/22 13:34	12/15/22 16:04	1
1,4-Difluorobenzene (Surr)	96		70 - 130			12/13/22 13:34	12/15/22 16:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/16/22 09:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	125		49.9	mg/Kg			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/10/22 22:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/10/22 22:39	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-154

Lab Sample ID: 880-22328-23

Date Collected: 12/02/22 08:40

Matrix: Solid

Date Received: 12/06/22 08:29

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)	125		49.9	mg/Kg		12/08/22 14:16	12/10/22 22:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130			12/08/22 14:16	12/10/22 22:39	1
o-Terphenyl (Surr)	135	S1+	70 - 130			12/08/22 14:16	12/10/22 22:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.7	F1	4.99	mg/Kg			12/14/22 05:32	1

Client Sample ID: C-155

Lab Sample ID: 880-22328-24

Date Collected: 12/02/22 08:55

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:34	12/15/22 16:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 16:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 16:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 13:34	12/15/22 16:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 16:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 13:34	12/15/22 16:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			12/13/22 13:34	12/15/22 16:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/13/22 13:34	12/15/22 16:25	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			12/16/22 09:27	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			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 22:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 22:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			12/08/22 14:16	12/10/22 22:59	1
o-Terphenyl (Surr)	128		70 - 130			12/08/22 14:16	12/10/22 22:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		4.97	mg/Kg			12/14/22 05:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-156

Lab Sample ID: 880-22328-25

Date Collected: 12/02/22 09:05

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:34	12/15/22 16:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 16:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 16:45	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/13/22 13:34	12/15/22 16:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 16:45	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/22 13:34	12/15/22 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/13/22 13:34	12/15/22 16:45	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/13/22 13:34	12/15/22 16:45	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			12/16/22 09:27	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			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 23:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 23:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	12/08/22 14:16	12/10/22 23:20	1
o-Terphenyl (Surr)	114		70 - 130	12/08/22 14:16	12/10/22 23:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	348		5.05	mg/Kg			12/14/22 06:00	1

Client Sample ID: C-158

Lab Sample ID: 880-22328-26

Date Collected: 12/02/22 09:20

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:34	12/15/22 17:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 17:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 17:06	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/13/22 13:34	12/15/22 17:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 17:06	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/13/22 13:34	12/15/22 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/13/22 13:34	12/15/22 17:06	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/13/22 13:34	12/15/22 17:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-158

Lab Sample ID: 880-22328-26

Date Collected: 12/02/22 09:20

Matrix: Solid

Date Received: 12/06/22 08:29

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			12/16/22 09:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.3		50.0	mg/Kg			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 23:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 23:40	1
Oil Range Organics (Over C28-C36)	51.3		50.0	mg/Kg		12/08/22 14:16	12/10/22 23:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			12/08/22 14:16	12/10/22 23:40	1
o-Terphenyl (Surr)	126		70 - 130			12/08/22 14:16	12/10/22 23:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	324		4.98	mg/Kg			12/14/22 06:22	1

Client Sample ID: C-159

Lab Sample ID: 880-22328-27

Date Collected: 12/02/22 11:45

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:34	12/15/22 17:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 17:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 17:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 13:34	12/15/22 17:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 17:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 13:34	12/15/22 17:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			12/13/22 13:34	12/15/22 17:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130			12/13/22 13:34	12/15/22 17:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/16/22 09:27	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			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/08/22 14:16	12/11/22 00:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-159

Lab Sample ID: 880-22328-27

Date Collected: 12/02/22 11:45

Matrix: Solid

Date Received: 12/06/22 08:29

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/08/22 14:16	12/11/22 00:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/08/22 14:16	12/11/22 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			12/08/22 14:16	12/11/22 00:01	1
o-Terphenyl (Surr)	114		70 - 130			12/08/22 14:16	12/11/22 00:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		4.97	mg/Kg			12/14/22 06:29	1

Client Sample ID: C-160

Lab Sample ID: 880-22328-28

Date Collected: 12/02/22 12:05

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:34	12/15/22 17:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 17:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 17:47	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 13:34	12/15/22 17:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 17:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 13:34	12/15/22 17:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			12/13/22 13:34	12/15/22 17:47	1
1,4-Difluorobenzene (Surr)	99		70 - 130			12/13/22 13:34	12/15/22 17:47	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			12/16/22 09:27	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			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/11/22 00:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/11/22 00:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/11/22 00:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			12/08/22 14:16	12/11/22 00:21	1
o-Terphenyl (Surr)	121		70 - 130			12/08/22 14:16	12/11/22 00:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.6		5.04	mg/Kg			12/14/22 06:37	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: SW-18

Lab Sample ID: 880-22328-29

Date Collected: 12/02/22 11:00

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:34	12/15/22 18:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 18:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 18:07	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/13/22 13:34	12/15/22 18:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 18:07	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/22 13:34	12/15/22 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/13/22 13:34	12/15/22 18:07	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/13/22 13:34	12/15/22 18:07	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			12/16/22 09:27	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			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/11/22 00:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/11/22 00:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/08/22 14:16	12/11/22 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	12/08/22 14:16	12/11/22 00:41	1
o-Terphenyl (Surr)	109		70 - 130	12/08/22 14:16	12/11/22 00:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	598		4.97	mg/Kg			12/14/22 06:44	1

Client Sample ID: SW-19

Lab Sample ID: 880-22328-30

Date Collected: 12/02/22 11:15

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:34	12/15/22 18:28	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:34	12/15/22 18:28	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:34	12/15/22 18:28	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/13/22 13:34	12/15/22 18:28	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/22 13:34	12/15/22 18:28	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/22 13:34	12/15/22 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/13/22 13:34	12/15/22 18:28	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/13/22 13:34	12/15/22 18:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: SW-19

Lab Sample ID: 880-22328-30

Date Collected: 12/02/22 11:15

Matrix: Solid

Date Received: 12/06/22 08:29

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			12/16/22 09:27	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			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/11/22 01:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/11/22 01:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/11/22 01:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			12/08/22 14:16	12/11/22 01:01	1
o-Terphenyl (Surr)	133	S1+	70 - 130			12/08/22 14:16	12/11/22 01:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.0		5.00	mg/Kg			12/14/22 06:51	1

Client Sample ID: SW-20

Lab Sample ID: 880-22328-31

Date Collected: 12/02/22 11:25

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:34	12/15/22 18:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 18:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 18:48	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/13/22 13:34	12/15/22 18:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 18:48	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/13/22 13:34	12/15/22 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			12/13/22 13:34	12/15/22 18:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130			12/13/22 13:34	12/15/22 18:48	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			12/16/22 09:27	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			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/11/22 01:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/11/22 01:42	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: SW-20

Lab Sample ID: 880-22328-31

Date Collected: 12/02/22 11:25

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/08/22 14:16	12/11/22 01:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			12/08/22 14:16	12/11/22 01:42	1
o-Terphenyl (Surr)	115		70 - 130			12/08/22 14:16	12/11/22 01:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.9		4.99	mg/Kg			12/14/22 06:58	1

Client Sample ID: C-157

Lab Sample ID: 880-22328-32

Date Collected: 12/02/22 09:00

Matrix: Solid

Date Received: 12/06/22 08:29

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		12/13/22 13:34	12/15/22 19:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 19:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 19:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/22 13:34	12/15/22 19:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 13:34	12/15/22 19:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 13:34	12/15/22 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			12/13/22 13:34	12/15/22 19:09	1
1,4-Difluorobenzene (Surr)	103		70 - 130			12/13/22 13:34	12/15/22 19:09	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			12/16/22 09:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.9		50.0	mg/Kg			12/12/22 10:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/11/22 02:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/11/22 02:02	1
Oil Range Organics (Over C28-C36)	57.9		50.0	mg/Kg		12/08/22 14:16	12/11/22 02:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			12/08/22 14:16	12/11/22 02:02	1
o-Terphenyl (Surr)	108		70 - 130			12/08/22 14:16	12/11/22 02:02	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	254		4.99	mg/Kg			12/14/22 07:06	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

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)
880-22328-1	C-131	157 S1+	101
880-22328-2	C-132	115	111
880-22328-3	C-133	145 S1+	109
880-22328-4	C-134	145 S1+	106
880-22328-5	C-135	105	105
880-22328-6	C-136	117	101
880-22328-7	C-137	77	117
880-22328-8	C-138	108	113
880-22328-9	C-139	78	111
880-22328-10	C-140	119	107
880-22328-11	C-141	122	74
880-22328-11 MS	C-141	103	95
880-22328-11 MSD	C-141	109	101
880-22328-12	C-142	122	90
880-22328-13	C-143	131 S1+	96
880-22328-14	C-144	120	99
880-22328-15	C-145	126	84
880-22328-16	C-146	95	99
880-22328-17	C-148	119	96
880-22328-18	C-149	125	99
880-22328-19	C-150	130	101
880-22328-20	C-151	103	95
880-22328-21	C-152	121	99
880-22328-22	C-153	109	94
880-22328-23	C-154	124	96
880-22328-24	C-155	107	101
880-22328-25	C-156	109	96
880-22328-26	C-158	104	101
880-22328-27	C-159	120	99
880-22328-28	C-160	108	99
880-22328-29	SW-18	107	102
880-22328-30	SW-19	103	106
880-22328-31	SW-20	104	99
880-22328-32	C-157	102	103
LCS 880-41400/1-A	Lab Control Sample	141 S1+	93
LCS 880-41753/1-A	Lab Control Sample	118	98
LCS 880-41758/1-A	Lab Control Sample	106	115
LCS 880-41773/1-A	Lab Control Sample	119	110
LCS 880-41806/1-A	Lab Control Sample	101	93
LCSD 880-41400/2-A	Lab Control Sample Dup	127	91
LCSD 880-41753/2-A	Lab Control Sample Dup	105	98
LCSD 880-41758/2-A	Lab Control Sample Dup	109	112
LCSD 880-41773/2-A	Lab Control Sample Dup	103	115
LCSD 880-41806/2-A	Lab Control Sample Dup	98	90
MB 880-41400/5-A	Method Blank	78	103
MB 880-41401/5-A	Method Blank	78	103
MB 880-41667/5-A	Method Blank	59 S1-	109
MB 880-41731/5-A	Method Blank	102	91
MB 880-41753/5-A	Method Blank	57 S1-	110

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-22328-1

Project/Site: Hay Hurst Pond Z

SDG: 22-0107-01

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)
MB 880-41758/5-A	Method Blank	87	100
MB 880-41773/5-A	Method Blank	92	102
MB 880-41806/5-A	Method Blank	106	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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22328-1	C-131	130	144 S1+
880-22328-1 MS	C-131	123	123
880-22328-1 MSD	C-131	138 S1+	139 S1+
880-22328-2	C-132	128	143 S1+
880-22328-3	C-133	151 S1+	170 S1+
880-22328-4	C-134	125	140 S1+
880-22328-5	C-135	141 S1+	158 S1+
880-22328-6	C-136	127	142 S1+
880-22328-7	C-137	145 S1+	161 S1+
880-22328-8	C-138	144 S1+	160 S1+
880-22328-9	C-139	125	141 S1+
880-22328-10	C-140	142 S1+	160 S1+
880-22328-11	C-141	135 S1+	149 S1+
880-22328-12	C-142	137 S1+	152 S1+
880-22328-13	C-143	128	142 S1+
880-22328-14	C-144	135 S1+	150 S1+
880-22328-15	C-145	133 S1+	149 S1+
880-22328-16	C-146	140 S1+	156 S1+
880-22328-17	C-148	122	137 S1+
880-22328-18	C-149	149 S1+	166 S1+
880-22328-19	C-150	135 S1+	151 S1+
880-22328-20	C-151	143 S1+	159 S1+
880-22328-21	C-152	104	115
880-22328-21 MS	C-152	99	95
880-22328-21 MSD	C-152	109	103
880-22328-22	C-153	116	126
880-22328-23	C-154	128	135 S1+
880-22328-24	C-155	117	128
880-22328-25	C-156	102	114
880-22328-26	C-158	116	126
880-22328-27	C-159	102	114
880-22328-28	C-160	110	121
880-22328-29	SW-18	97	109
880-22328-30	SW-19	121	133 S1+
880-22328-31	SW-20	108	115
880-22328-32	C-157	99	108
LCS 880-41375/2-A	Lab Control Sample	156 S1+	181 S1+

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

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 880-41382/2-A	Lab Control Sample	99	106
LCSD 880-41375/3-A	Lab Control Sample Dup	152 S1+	172 S1+
LCSD 880-41382/3-A	Lab Control Sample Dup	93	101
MB 880-41375/1-A	Method Blank	130	191 S1+
MB 880-41382/1-A	Method Blank	121	178 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-41400/5-A

Matrix: Solid

Analysis Batch: 41705

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41400

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:23	12/13/22 23:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:23	12/13/22 23:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:23	12/13/22 23:56	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/22 16:23	12/13/22 23:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:23	12/13/22 23:56	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/22 16:23	12/13/22 23:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	12/08/22 16:23	12/13/22 23:56	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/08/22 16:23	12/13/22 23:56	1

Lab Sample ID: LCS 880-41400/1-A

Matrix: Solid

Analysis Batch: 41705

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41400

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	0.09994		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1102		mg/Kg		110	70 - 130
m,p-Xylenes	0.200	0.2402		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1173		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-41400/2-A

Matrix: Solid

Analysis Batch: 41705

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41400

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08250		mg/Kg		82	70 - 130	24	35
Toluene	0.100	0.08174		mg/Kg		82	70 - 130	20	35
Ethylbenzene	0.100	0.08948		mg/Kg		89	70 - 130	21	35
m,p-Xylenes	0.200	0.1962		mg/Kg		98	70 - 130	20	35
o-Xylene	0.100	0.09728		mg/Kg		97	70 - 130	19	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-41401/5-A

Matrix: Solid

Analysis Batch: 41705

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41401

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:47	12/13/22 12:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:47	12/13/22 12:20	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-41401/5-A

Matrix: Solid

Analysis Batch: 41705

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41401

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:47	12/13/22 12:20	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/22 16:47	12/13/22 12:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/22 16:47	12/13/22 12:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/22 16:47	12/13/22 12:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	12/08/22 16:47	12/13/22 12:20	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/08/22 16:47	12/13/22 12:20	1

Lab Sample ID: MB 880-41667/5-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41667

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 19:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 19:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 19:09	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/12/22 15:46	12/14/22 19:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/22 15:46	12/14/22 19:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/12/22 15:46	12/14/22 19:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130	12/12/22 15:46	12/14/22 19:09	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/12/22 15:46	12/14/22 19:09	1

Lab Sample ID: MB 880-41731/5-A

Matrix: Solid

Analysis Batch: 41784

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41731

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 10:59	12/14/22 11:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 10:59	12/14/22 11:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 10:59	12/14/22 11:03	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/22 10:59	12/14/22 11:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 10:59	12/14/22 11:03	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/22 10:59	12/14/22 11:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/13/22 10:59	12/14/22 11:03	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/13/22 10:59	12/14/22 11:03	1

Lab Sample ID: MB 880-41753/5-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41753

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 06:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 06:45	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-41753/5-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41753

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 06:45	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/22 13:00	12/15/22 06:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:00	12/15/22 06:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/22 13:00	12/15/22 06:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130	12/13/22 13:00	12/15/22 06:45	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/13/22 13:00	12/15/22 06:45	1

Lab Sample ID: LCS 880-41753/1-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.09661		mg/Kg		97	70 - 130
Toluene	0.100	0.1010		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1039		mg/Kg		104	70 - 130
m,p-Xylenes	0.200	0.2298		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1176		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-41753/2-A

Matrix: Solid

Analysis Batch: 41835

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41753

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08563		mg/Kg		86	70 - 130	12	35
Toluene	0.100	0.08345		mg/Kg		83	70 - 130	19	35
Ethylbenzene	0.100	0.08697		mg/Kg		87	70 - 130	18	35
m,p-Xylenes	0.200	0.1905		mg/Kg		95	70 - 130	19	35
o-Xylene	0.100	0.09656		mg/Kg		97	70 - 130	20	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-41758/5-A

Matrix: Solid

Analysis Batch: 41864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41758

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 11:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 11:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 11:16	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/22 13:34	12/15/22 11:16	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-41758/5-A

Matrix: Solid

Analysis Batch: 41864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41758

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 13:34	12/15/22 11:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/22 13:34	12/15/22 11:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			12/13/22 13:34	12/15/22 11:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130			12/13/22 13:34	12/15/22 11:16	1

Lab Sample ID: LCS 880-41758/1-A

Matrix: Solid

Analysis Batch: 41864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1062		mg/Kg		106	70 - 130
Toluene	0.100	0.09297		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09548		mg/Kg		95	70 - 130
m,p-Xylenes	0.200	0.1954		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09711		mg/Kg		97	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	106		70 - 130				
1,4-Difluorobenzene (Surr)	115		70 - 130				

Lab Sample ID: LCSD 880-41758/2-A

Matrix: Solid

Analysis Batch: 41864

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41758

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1033		mg/Kg		103	70 - 130	3	35
Toluene	0.100	0.09171		mg/Kg		92	70 - 130	1	35
Ethylbenzene	0.100	0.09799		mg/Kg		98	70 - 130	3	35
m,p-Xylenes	0.200	0.2014		mg/Kg		101	70 - 130	3	35
o-Xylene	0.100	0.1001		mg/Kg		100	70 - 130	3	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	109		70 - 130						
1,4-Difluorobenzene (Surr)	112		70 - 130						

Lab Sample ID: MB 880-41773/5-A

Matrix: Solid

Analysis Batch: 41864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41773

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 16:19	12/15/22 21:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 16:19	12/15/22 21:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 16:19	12/15/22 21:51	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/22 16:19	12/15/22 21:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 16:19	12/15/22 21:51	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/22 16:19	12/15/22 21:51	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/13/22 16:19	12/15/22 21:51	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/13/22 16:19	12/15/22 21:51	1

Lab Sample ID: LCS 880-41773/1-A

Matrix: Solid

Analysis Batch: 41864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09449		mg/Kg		94	70 - 130
Toluene	0.100	0.09636		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.1010		mg/Kg		101	70 - 130
m,p-Xylenes	0.200	0.2182		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1099		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-41773/2-A

Matrix: Solid

Analysis Batch: 41864

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1033		mg/Kg		103	70 - 130	9	35
Toluene	0.100	0.09268		mg/Kg		93	70 - 130	4	35
Ethylbenzene	0.100	0.09149		mg/Kg		91	70 - 130	10	35
m,p-Xylenes	0.200	0.1882		mg/Kg		94	70 - 130	15	35
o-Xylene	0.100	0.09352		mg/Kg		94	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: MB 880-41806/5-A

Matrix: Solid

Analysis Batch: 41784

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41806

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/14/22 12:07	12/15/22 00:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/14/22 12:07	12/15/22 00:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/14/22 12:07	12/15/22 00:47	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/14/22 12:07	12/15/22 00:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/14/22 12:07	12/15/22 00:47	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/14/22 12:07	12/15/22 00:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/14/22 12:07	12/15/22 00:47	1
1,4-Difluorobenzene (Surr)	89		70 - 130	12/14/22 12:07	12/15/22 00:47	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-41806/1-A

Matrix: Solid

Analysis Batch: 41784

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41806

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09412		mg/Kg		94	70 - 130
Toluene	0.100	0.08842		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08747		mg/Kg		87	70 - 130
m,p-Xylenes	0.200	0.1891		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09641		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-41806/2-A

Matrix: Solid

Analysis Batch: 41784

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41806

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09763		mg/Kg		98	70 - 130	4	35
Toluene	0.100	0.08943		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.08734		mg/Kg		87	70 - 130	0	35
m,p-Xylenes	0.200	0.1864		mg/Kg		93	70 - 130	1	35
o-Xylene	0.100	0.09479		mg/Kg		95	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-22328-11 MS

Matrix: Solid

Analysis Batch: 41784

Client Sample ID: C-141

Prep Type: Total/NA

Prep Batch: 41806

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0990	0.08253		mg/Kg		83	70 - 130
Toluene	<0.00201	U	0.0990	0.07627		mg/Kg		77	70 - 130
Ethylbenzene	<0.00201	U	0.0990	0.07349		mg/Kg		74	70 - 130
m,p-Xylenes	<0.00402	U	0.198	0.1565		mg/Kg		79	70 - 130
o-Xylene	<0.00201	U	0.0990	0.07823		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-22328-11 MSD

Matrix: Solid

Analysis Batch: 41784

Client Sample ID: C-141

Prep Type: Total/NA

Prep Batch: 41806

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08039		mg/Kg		80	70 - 130	3	35
Toluene	<0.00201	U	0.100	0.07612		mg/Kg		76	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.100	0.07718		mg/Kg		77	70 - 130	5	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-22328-11 MSD

Matrix: Solid

Analysis Batch: 41784

Client Sample ID: C-141

Prep Type: Total/NA

Prep Batch: 41806

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	<0.00402	U	0.200	0.1652		mg/Kg		82	70 - 130	5	35
o-Xylene	<0.00201	U	0.100	0.08329		mg/Kg		83	70 - 130	6	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-41375/1-A

Matrix: Solid

Analysis Batch: 41413

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41375

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		12/08/22 12:57	12/09/22 20:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/09/22 20:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 12:57	12/09/22 20:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130			12/08/22 12:57	12/09/22 20:49	1
o-Terphenyl (Surr)	191	S1+	70 - 130			12/08/22 12:57	12/09/22 20:49	1

Lab Sample ID: LCS 880-41375/2-A

Matrix: Solid

Analysis Batch: 41413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41375

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1053		mg/Kg		105	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
1-Chlorooctane (Surr)	156	S1+	70 - 130					
o-Terphenyl (Surr)	181	S1+	70 - 130					

Lab Sample ID: LCSD 880-41375/3-A

Matrix: Solid

Analysis Batch: 41413

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41375

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	968.4		mg/Kg		97	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	962.9		mg/Kg		96	70 - 130	6	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-41375/3-A

Matrix: Solid

Analysis Batch: 41413

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41375

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	152	S1+	70 - 130
o-Terphenyl (Surr)	172	S1+	70 - 130

Lab Sample ID: 880-22328-1 MS

Matrix: Solid

Analysis Batch: 41413

Client Sample ID: C-131

Prep Type: Total/NA

Prep Batch: 41375

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1052		mg/Kg		104	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	1207		mg/Kg		121	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	123		70 - 130							
o-Terphenyl (Surr)	123		70 - 130							

Lab Sample ID: 880-22328-1 MSD

Matrix: Solid

Analysis Batch: 41413

Client Sample ID: C-131

Prep Type: Total/NA

Prep Batch: 41375

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1269		mg/Kg		126	70 - 130	19	20	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	1370	F1	mg/Kg		137	70 - 130	13	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	138	S1+	70 - 130									
o-Terphenyl (Surr)	139	S1+	70 - 130									

Lab Sample ID: MB 880-41382/1-A

Matrix: Solid

Analysis Batch: 41511

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41382

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 20:16	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 20:16	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/08/22 14:16	12/10/22 20:16	1		
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	121		70 - 130			12/08/22 14:16	12/10/22 20:16	1		
o-Terphenyl (Surr)	178	S1+	70 - 130			12/08/22 14:16	12/10/22 20:16	1		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-41382/2-A

Matrix: Solid

Analysis Batch: 41511

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41382

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits		
			Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10			1000	883.9		mg/Kg		88		70 - 130		
Diesel Range Organics (Over C10-C28)			1000	977.6		mg/Kg		98		70 - 130		

Lab Sample ID: LCSD 880-41382/3-A

Matrix: Solid

Analysis Batch: 41511

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41382

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	853.2		mg/Kg		85	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	945.4		mg/Kg		95	70 - 130	3	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	93		70 - 130								
o-Terphenyl (Surr)	101		70 - 130								

Lab Sample ID: 880-22328-21 MS

Matrix: Solid

Analysis Batch: 41511

Client Sample ID: C-152

Prep Type: Total/NA

Prep Batch: 41382

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	880.6		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	891.9		mg/Kg		89	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	99		70 - 130								
o-Terphenyl (Surr)	95		70 - 130								

Lab Sample ID: 880-22328-21 MSD

Matrix: Solid

Analysis Batch: 41511

Client Sample ID: C-152

Prep Type: Total/NA

Prep Batch: 41382

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	986.1		mg/Kg		96	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	940.5		mg/Kg		94	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	109		70 - 130								

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-22328-21 MSD

Matrix: Solid

Analysis Batch: 41511

Client Sample ID: C-152

Prep Type: Total/NA

Prep Batch: 41382

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41258/1-A

Matrix: Solid

Analysis Batch: 41538

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00	mg/Kg			12/14/22 03:29		1

Lab Sample ID: LCS 880-41258/2-A

Matrix: Solid

Analysis Batch: 41538

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte		Spike	LCS	LCS				%Rec	
		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	251.4		mg/Kg		101	90 - 110	

Lab Sample ID: LCSD 880-41258/3-A

Matrix: Solid

Analysis Batch: 41538

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte		Spike	LCSD	LCSD				%Rec		RPD	
		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride		250	251.7		mg/Kg		101	90 - 110	0	20	

Lab Sample ID: 880-22328-13 MS

Matrix: Solid

Analysis Batch: 41538

Client Sample ID: C-143

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS				%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	20.4	F1	252	308.3	F1	mg/Kg		114	90 - 110	

Lab Sample ID: 880-22328-13 MSD

Matrix: Solid

Analysis Batch: 41538

Client Sample ID: C-143

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	20.4	F1	252	308.8	F1	mg/Kg		114	90 - 110	0	20	

Lab Sample ID: 880-22328-23 MS

Matrix: Solid

Analysis Batch: 41538

Client Sample ID: C-154

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS				%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	86.7	F1	250	368.7	F1	mg/Kg		113	90 - 110	

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-22328-23 MSD

Matrix: Solid

Analysis Batch: 41735

Client Sample ID: C-154

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	86.7	F1	250	359.5		mg/Kg		109	90 - 110	3	20

Lab Sample ID: MB 880-41355/1-A

Matrix: Solid

Analysis Batch: 41735

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			12/13/22 18:55	1

Lab Sample ID: LCS 880-41355/2-A

Matrix: Solid

Analysis Batch: 41735

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.4		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-41355/3-A

Matrix: Solid

Analysis Batch: 41735

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	244.8		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-22328-1 MS

Matrix: Solid

Analysis Batch: 41735

Client Sample ID: C-131

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	19.8		250	275.2		mg/Kg		102	90 - 110

Lab Sample ID: 880-22328-1 MSD

Matrix: Solid

Analysis Batch: 41735

Client Sample ID: C-131

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	19.8		250	267.6		mg/Kg		99	90 - 110	3	20

Lab Sample ID: 880-22328-11 MS

Matrix: Solid

Analysis Batch: 41735

Client Sample ID: C-141

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	87.5		248	330.7		mg/Kg		98	90 - 110

Lab Sample ID: 880-22328-11 MSD

Matrix: Solid

Analysis Batch: 41735

Client Sample ID: C-141

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	87.5		248	344.0		mg/Kg		104	90 - 110	4	20

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

GC VOA

Prep Batch: 41400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-1	C-131	Total/NA	Solid	5035	
880-22328-2	C-132	Total/NA	Solid	5035	
880-22328-3	C-133	Total/NA	Solid	5035	
880-22328-4	C-134	Total/NA	Solid	5035	
MB 880-41400/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41400/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41400/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 41401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-41401/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 41667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-41667/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 41705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-1	C-131	Total/NA	Solid	8021B	41400
880-22328-2	C-132	Total/NA	Solid	8021B	41400
880-22328-3	C-133	Total/NA	Solid	8021B	41400
880-22328-4	C-134	Total/NA	Solid	8021B	41400
MB 880-41400/5-A	Method Blank	Total/NA	Solid	8021B	41400
MB 880-41401/5-A	Method Blank	Total/NA	Solid	8021B	41401
LCS 880-41400/1-A	Lab Control Sample	Total/NA	Solid	8021B	41400
LCSD 880-41400/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41400

Prep Batch: 41731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-41731/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 41753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-5	C-135	Total/NA	Solid	5035	
880-22328-6	C-136	Total/NA	Solid	5035	
880-22328-7	C-137	Total/NA	Solid	5035	
880-22328-8	C-138	Total/NA	Solid	5035	
880-22328-9	C-139	Total/NA	Solid	5035	
880-22328-10	C-140	Total/NA	Solid	5035	
MB 880-41753/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41753/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41753/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 41758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-23	C-154	Total/NA	Solid	5035	
880-22328-24	C-155	Total/NA	Solid	5035	
880-22328-25	C-156	Total/NA	Solid	5035	
880-22328-26	C-158	Total/NA	Solid	5035	
880-22328-27	C-159	Total/NA	Solid	5035	
880-22328-28	C-160	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

GC VOA (Continued)

Prep Batch: 41758 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-29	SW-18	Total/NA	Solid	5035	
880-22328-30	SW-19	Total/NA	Solid	5035	
880-22328-31	SW-20	Total/NA	Solid	5035	
880-22328-32	C-157	Total/NA	Solid	5035	
MB 880-41758/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41758/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41758/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 41773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-20	C-151	Total/NA	Solid	5035	
880-22328-21	C-152	Total/NA	Solid	5035	
880-22328-22	C-153	Total/NA	Solid	5035	
MB 880-41773/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41773/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41773/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 41784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-11	C-141	Total/NA	Solid	8021B	41806
880-22328-12	C-142	Total/NA	Solid	8021B	41806
880-22328-13	C-143	Total/NA	Solid	8021B	41806
880-22328-14	C-144	Total/NA	Solid	8021B	41806
880-22328-15	C-145	Total/NA	Solid	8021B	41806
880-22328-16	C-146	Total/NA	Solid	8021B	41806
880-22328-17	C-148	Total/NA	Solid	8021B	41806
880-22328-18	C-149	Total/NA	Solid	8021B	41806
880-22328-19	C-150	Total/NA	Solid	8021B	41806
MB 880-41731/5-A	Method Blank	Total/NA	Solid	8021B	41731
MB 880-41806/5-A	Method Blank	Total/NA	Solid	8021B	41806
LCS 880-41806/1-A	Lab Control Sample	Total/NA	Solid	8021B	41806
LCSD 880-41806/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41806
880-22328-11 MS	C-141	Total/NA	Solid	8021B	41806
880-22328-11 MSD	C-141	Total/NA	Solid	8021B	41806

Analysis Batch: 41799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-1	C-131	Total/NA	Solid	Total BTEX	
880-22328-2	C-132	Total/NA	Solid	Total BTEX	
880-22328-3	C-133	Total/NA	Solid	Total BTEX	
880-22328-4	C-134	Total/NA	Solid	Total BTEX	
880-22328-5	C-135	Total/NA	Solid	Total BTEX	
880-22328-6	C-136	Total/NA	Solid	Total BTEX	
880-22328-7	C-137	Total/NA	Solid	Total BTEX	
880-22328-8	C-138	Total/NA	Solid	Total BTEX	
880-22328-9	C-139	Total/NA	Solid	Total BTEX	
880-22328-10	C-140	Total/NA	Solid	Total BTEX	
880-22328-11	C-141	Total/NA	Solid	Total BTEX	
880-22328-12	C-142	Total/NA	Solid	Total BTEX	
880-22328-13	C-143	Total/NA	Solid	Total BTEX	
880-22328-14	C-144	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 41799 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-15	C-145	Total/NA	Solid	Total BTEX	
880-22328-16	C-146	Total/NA	Solid	Total BTEX	
880-22328-17	C-148	Total/NA	Solid	Total BTEX	
880-22328-18	C-149	Total/NA	Solid	Total BTEX	
880-22328-19	C-150	Total/NA	Solid	Total BTEX	
880-22328-20	C-151	Total/NA	Solid	Total BTEX	
880-22328-21	C-152	Total/NA	Solid	Total BTEX	
880-22328-22	C-153	Total/NA	Solid	Total BTEX	
880-22328-23	C-154	Total/NA	Solid	Total BTEX	
880-22328-24	C-155	Total/NA	Solid	Total BTEX	
880-22328-25	C-156	Total/NA	Solid	Total BTEX	
880-22328-26	C-158	Total/NA	Solid	Total BTEX	
880-22328-27	C-159	Total/NA	Solid	Total BTEX	
880-22328-28	C-160	Total/NA	Solid	Total BTEX	
880-22328-29	SW-18	Total/NA	Solid	Total BTEX	
880-22328-30	SW-19	Total/NA	Solid	Total BTEX	
880-22328-31	SW-20	Total/NA	Solid	Total BTEX	
880-22328-32	C-157	Total/NA	Solid	Total BTEX	

Prep Batch: 41806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-11	C-141	Total/NA	Solid	5035	
880-22328-12	C-142	Total/NA	Solid	5035	
880-22328-13	C-143	Total/NA	Solid	5035	
880-22328-14	C-144	Total/NA	Solid	5035	
880-22328-15	C-145	Total/NA	Solid	5035	
880-22328-16	C-146	Total/NA	Solid	5035	
880-22328-17	C-148	Total/NA	Solid	5035	
880-22328-18	C-149	Total/NA	Solid	5035	
880-22328-19	C-150	Total/NA	Solid	5035	
MB 880-41806/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41806/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41806/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22328-11 MS	C-141	Total/NA	Solid	5035	
880-22328-11 MSD	C-141	Total/NA	Solid	5035	

Analysis Batch: 41835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-5	C-135	Total/NA	Solid	8021B	41753
880-22328-6	C-136	Total/NA	Solid	8021B	41753
880-22328-7	C-137	Total/NA	Solid	8021B	41753
880-22328-8	C-138	Total/NA	Solid	8021B	41753
880-22328-9	C-139	Total/NA	Solid	8021B	41753
880-22328-10	C-140	Total/NA	Solid	8021B	41753
MB 880-41667/5-A	Method Blank	Total/NA	Solid	8021B	41667
MB 880-41753/5-A	Method Blank	Total/NA	Solid	8021B	41753
LCS 880-41753/1-A	Lab Control Sample	Total/NA	Solid	8021B	41753
LCSD 880-41753/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41753

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

GC VOA

Analysis Batch: 41864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-20	C-151	Total/NA	Solid	8021B	41773
880-22328-21	C-152	Total/NA	Solid	8021B	41773
880-22328-22	C-153	Total/NA	Solid	8021B	41773
880-22328-23	C-154	Total/NA	Solid	8021B	41758
880-22328-24	C-155	Total/NA	Solid	8021B	41758
880-22328-25	C-156	Total/NA	Solid	8021B	41758
880-22328-26	C-158	Total/NA	Solid	8021B	41758
880-22328-27	C-159	Total/NA	Solid	8021B	41758
880-22328-28	C-160	Total/NA	Solid	8021B	41758
880-22328-29	SW-18	Total/NA	Solid	8021B	41758
880-22328-30	SW-19	Total/NA	Solid	8021B	41758
880-22328-31	SW-20	Total/NA	Solid	8021B	41758
880-22328-32	C-157	Total/NA	Solid	8021B	41758
MB 880-41758/5-A	Method Blank	Total/NA	Solid	8021B	41758
MB 880-41773/5-A	Method Blank	Total/NA	Solid	8021B	41773
LCS 880-41758/1-A	Lab Control Sample	Total/NA	Solid	8021B	41758
LCS 880-41773/1-A	Lab Control Sample	Total/NA	Solid	8021B	41773
LCSD 880-41758/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41758
LCSD 880-41773/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41773

GC Semi VOA

Prep Batch: 41375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-1	C-131	Total/NA	Solid	8015NM Prep	
880-22328-2	C-132	Total/NA	Solid	8015NM Prep	
880-22328-3	C-133	Total/NA	Solid	8015NM Prep	
880-22328-4	C-134	Total/NA	Solid	8015NM Prep	
880-22328-5	C-135	Total/NA	Solid	8015NM Prep	
880-22328-6	C-136	Total/NA	Solid	8015NM Prep	
880-22328-7	C-137	Total/NA	Solid	8015NM Prep	
880-22328-8	C-138	Total/NA	Solid	8015NM Prep	
880-22328-9	C-139	Total/NA	Solid	8015NM Prep	
880-22328-10	C-140	Total/NA	Solid	8015NM Prep	
880-22328-11	C-141	Total/NA	Solid	8015NM Prep	
880-22328-12	C-142	Total/NA	Solid	8015NM Prep	
880-22328-13	C-143	Total/NA	Solid	8015NM Prep	
880-22328-14	C-144	Total/NA	Solid	8015NM Prep	
880-22328-15	C-145	Total/NA	Solid	8015NM Prep	
880-22328-16	C-146	Total/NA	Solid	8015NM Prep	
880-22328-17	C-148	Total/NA	Solid	8015NM Prep	
880-22328-18	C-149	Total/NA	Solid	8015NM Prep	
880-22328-19	C-150	Total/NA	Solid	8015NM Prep	
880-22328-20	C-151	Total/NA	Solid	8015NM Prep	
MB 880-41375/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41375/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41375/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22328-1 MS	C-131	Total/NA	Solid	8015NM Prep	
880-22328-1 MSD	C-131	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

GC Semi VOA

Prep Batch: 41382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-21	C-152	Total/NA	Solid	8015NM Prep	
880-22328-22	C-153	Total/NA	Solid	8015NM Prep	
880-22328-23	C-154	Total/NA	Solid	8015NM Prep	
880-22328-24	C-155	Total/NA	Solid	8015NM Prep	
880-22328-25	C-156	Total/NA	Solid	8015NM Prep	
880-22328-26	C-158	Total/NA	Solid	8015NM Prep	
880-22328-27	C-159	Total/NA	Solid	8015NM Prep	
880-22328-28	C-160	Total/NA	Solid	8015NM Prep	
880-22328-29	SW-18	Total/NA	Solid	8015NM Prep	
880-22328-30	SW-19	Total/NA	Solid	8015NM Prep	
880-22328-31	SW-20	Total/NA	Solid	8015NM Prep	
880-22328-32	C-157	Total/NA	Solid	8015NM Prep	
MB 880-41382/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41382/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41382/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22328-21 MS	C-152	Total/NA	Solid	8015NM Prep	
880-22328-21 MSD	C-152	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-1	C-131	Total/NA	Solid	8015B NM	41375
880-22328-2	C-132	Total/NA	Solid	8015B NM	41375
880-22328-3	C-133	Total/NA	Solid	8015B NM	41375
880-22328-4	C-134	Total/NA	Solid	8015B NM	41375
880-22328-5	C-135	Total/NA	Solid	8015B NM	41375
880-22328-6	C-136	Total/NA	Solid	8015B NM	41375
880-22328-7	C-137	Total/NA	Solid	8015B NM	41375
880-22328-8	C-138	Total/NA	Solid	8015B NM	41375
880-22328-9	C-139	Total/NA	Solid	8015B NM	41375
880-22328-10	C-140	Total/NA	Solid	8015B NM	41375
880-22328-11	C-141	Total/NA	Solid	8015B NM	41375
880-22328-12	C-142	Total/NA	Solid	8015B NM	41375
880-22328-13	C-143	Total/NA	Solid	8015B NM	41375
880-22328-14	C-144	Total/NA	Solid	8015B NM	41375
880-22328-15	C-145	Total/NA	Solid	8015B NM	41375
880-22328-16	C-146	Total/NA	Solid	8015B NM	41375
880-22328-17	C-148	Total/NA	Solid	8015B NM	41375
880-22328-18	C-149	Total/NA	Solid	8015B NM	41375
880-22328-19	C-150	Total/NA	Solid	8015B NM	41375
880-22328-20	C-151	Total/NA	Solid	8015B NM	41375
MB 880-41375/1-A	Method Blank	Total/NA	Solid	8015B NM	41375
LCS 880-41375/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41375
LCSD 880-41375/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41375
880-22328-1 MS	C-131	Total/NA	Solid	8015B NM	41375
880-22328-1 MSD	C-131	Total/NA	Solid	8015B NM	41375

Analysis Batch: 41511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-21	C-152	Total/NA	Solid	8015B NM	41382
880-22328-22	C-153	Total/NA	Solid	8015B NM	41382
880-22328-23	C-154	Total/NA	Solid	8015B NM	41382

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Analysis Batch: 41511 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-24	C-155	Total/NA	Solid	8015B NM	41382
880-22328-25	C-156	Total/NA	Solid	8015B NM	41382
880-22328-26	C-158	Total/NA	Solid	8015B NM	41382
880-22328-27	C-159	Total/NA	Solid	8015B NM	41382
880-22328-28	C-160	Total/NA	Solid	8015B NM	41382
880-22328-29	SW-18	Total/NA	Solid	8015B NM	41382
880-22328-30	SW-19	Total/NA	Solid	8015B NM	41382
880-22328-31	SW-20	Total/NA	Solid	8015B NM	41382
880-22328-32	C-157	Total/NA	Solid	8015B NM	41382
MB 880-41382/1-A	Method Blank	Total/NA	Solid	8015B NM	41382
LCS 880-41382/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41382
LCSD 880-41382/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41382
880-22328-21 MS	C-152	Total/NA	Solid	8015B NM	41382
880-22328-21 MSD	C-152	Total/NA	Solid	8015B NM	41382

Analysis Batch: 41603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-1	C-131	Total/NA	Solid	8015 NM	
880-22328-2	C-132	Total/NA	Solid	8015 NM	
880-22328-3	C-133	Total/NA	Solid	8015 NM	
880-22328-4	C-134	Total/NA	Solid	8015 NM	
880-22328-5	C-135	Total/NA	Solid	8015 NM	
880-22328-6	C-136	Total/NA	Solid	8015 NM	
880-22328-7	C-137	Total/NA	Solid	8015 NM	
880-22328-8	C-138	Total/NA	Solid	8015 NM	
880-22328-9	C-139	Total/NA	Solid	8015 NM	
880-22328-10	C-140	Total/NA	Solid	8015 NM	
880-22328-11	C-141	Total/NA	Solid	8015 NM	
880-22328-12	C-142	Total/NA	Solid	8015 NM	
880-22328-13	C-143	Total/NA	Solid	8015 NM	
880-22328-14	C-144	Total/NA	Solid	8015 NM	
880-22328-15	C-145	Total/NA	Solid	8015 NM	
880-22328-16	C-146	Total/NA	Solid	8015 NM	
880-22328-17	C-148	Total/NA	Solid	8015 NM	
880-22328-18	C-149	Total/NA	Solid	8015 NM	
880-22328-19	C-150	Total/NA	Solid	8015 NM	
880-22328-20	C-151	Total/NA	Solid	8015 NM	
880-22328-21	C-152	Total/NA	Solid	8015 NM	
880-22328-22	C-153	Total/NA	Solid	8015 NM	
880-22328-23	C-154	Total/NA	Solid	8015 NM	
880-22328-24	C-155	Total/NA	Solid	8015 NM	
880-22328-25	C-156	Total/NA	Solid	8015 NM	
880-22328-26	C-158	Total/NA	Solid	8015 NM	
880-22328-27	C-159	Total/NA	Solid	8015 NM	
880-22328-28	C-160	Total/NA	Solid	8015 NM	
880-22328-29	SW-18	Total/NA	Solid	8015 NM	
880-22328-30	SW-19	Total/NA	Solid	8015 NM	
880-22328-31	SW-20	Total/NA	Solid	8015 NM	
880-22328-32	C-157	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

HPLC/IC

Leach Batch: 41258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-13	C-143	Soluble	Solid	DI Leach	
880-22328-14	C-144	Soluble	Solid	DI Leach	
880-22328-15	C-145	Soluble	Solid	DI Leach	
880-22328-16	C-146	Soluble	Solid	DI Leach	
880-22328-17	C-148	Soluble	Solid	DI Leach	
880-22328-18	C-149	Soluble	Solid	DI Leach	
880-22328-19	C-150	Soluble	Solid	DI Leach	
880-22328-20	C-151	Soluble	Solid	DI Leach	
880-22328-21	C-152	Soluble	Solid	DI Leach	
880-22328-22	C-153	Soluble	Solid	DI Leach	
880-22328-23	C-154	Soluble	Solid	DI Leach	
880-22328-24	C-155	Soluble	Solid	DI Leach	
880-22328-25	C-156	Soluble	Solid	DI Leach	
880-22328-26	C-158	Soluble	Solid	DI Leach	
880-22328-27	C-159	Soluble	Solid	DI Leach	
880-22328-28	C-160	Soluble	Solid	DI Leach	
880-22328-29	SW-18	Soluble	Solid	DI Leach	
880-22328-30	SW-19	Soluble	Solid	DI Leach	
880-22328-31	SW-20	Soluble	Solid	DI Leach	
880-22328-32	C-157	Soluble	Solid	DI Leach	
MB 880-41258/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41258/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41258/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22328-13 MS	C-143	Soluble	Solid	DI Leach	
880-22328-13 MSD	C-143	Soluble	Solid	DI Leach	
880-22328-23 MS	C-154	Soluble	Solid	DI Leach	
880-22328-23 MSD	C-154	Soluble	Solid	DI Leach	

Leach Batch: 41355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-1	C-131	Soluble	Solid	DI Leach	
880-22328-2	C-132	Soluble	Solid	DI Leach	
880-22328-3	C-133	Soluble	Solid	DI Leach	
880-22328-4	C-134	Soluble	Solid	DI Leach	
880-22328-5	C-135	Soluble	Solid	DI Leach	
880-22328-6	C-136	Soluble	Solid	DI Leach	
880-22328-7	C-137	Soluble	Solid	DI Leach	
880-22328-8	C-138	Soluble	Solid	DI Leach	
880-22328-9	C-139	Soluble	Solid	DI Leach	
880-22328-10	C-140	Soluble	Solid	DI Leach	
880-22328-11	C-141	Soluble	Solid	DI Leach	
880-22328-12	C-142	Soluble	Solid	DI Leach	
MB 880-41355/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41355/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41355/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22328-1 MS	C-131	Soluble	Solid	DI Leach	
880-22328-1 MSD	C-131	Soluble	Solid	DI Leach	
880-22328-11 MS	C-141	Soluble	Solid	DI Leach	
880-22328-11 MSD	C-141	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

HPLC/IC

Analysis Batch: 41538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-13	C-143	Soluble	Solid	300.0	41258
880-22328-14	C-144	Soluble	Solid	300.0	41258
880-22328-15	C-145	Soluble	Solid	300.0	41258
880-22328-16	C-146	Soluble	Solid	300.0	41258
880-22328-17	C-148	Soluble	Solid	300.0	41258
880-22328-18	C-149	Soluble	Solid	300.0	41258
880-22328-19	C-150	Soluble	Solid	300.0	41258
880-22328-20	C-151	Soluble	Solid	300.0	41258
880-22328-21	C-152	Soluble	Solid	300.0	41258
880-22328-22	C-153	Soluble	Solid	300.0	41258
880-22328-23	C-154	Soluble	Solid	300.0	41258
880-22328-24	C-155	Soluble	Solid	300.0	41258
880-22328-25	C-156	Soluble	Solid	300.0	41258
880-22328-26	C-158	Soluble	Solid	300.0	41258
880-22328-27	C-159	Soluble	Solid	300.0	41258
880-22328-28	C-160	Soluble	Solid	300.0	41258
880-22328-29	SW-18	Soluble	Solid	300.0	41258
880-22328-30	SW-19	Soluble	Solid	300.0	41258
880-22328-31	SW-20	Soluble	Solid	300.0	41258
880-22328-32	C-157	Soluble	Solid	300.0	41258
MB 880-41258/1-A	Method Blank	Soluble	Solid	300.0	41258
LCS 880-41258/2-A	Lab Control Sample	Soluble	Solid	300.0	41258
LCSD 880-41258/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41258
880-22328-13 MS	C-143	Soluble	Solid	300.0	41258
880-22328-13 MSD	C-143	Soluble	Solid	300.0	41258
880-22328-23 MS	C-154	Soluble	Solid	300.0	41258
880-22328-23 MSD	C-154	Soluble	Solid	300.0	41258

Analysis Batch: 41735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-1	C-131	Soluble	Solid	300.0	41355
880-22328-2	C-132	Soluble	Solid	300.0	41355
880-22328-3	C-133	Soluble	Solid	300.0	41355
880-22328-4	C-134	Soluble	Solid	300.0	41355
880-22328-5	C-135	Soluble	Solid	300.0	41355
880-22328-6	C-136	Soluble	Solid	300.0	41355
880-22328-7	C-137	Soluble	Solid	300.0	41355
880-22328-8	C-138	Soluble	Solid	300.0	41355
880-22328-9	C-139	Soluble	Solid	300.0	41355
880-22328-10	C-140	Soluble	Solid	300.0	41355
880-22328-11	C-141	Soluble	Solid	300.0	41355
880-22328-12	C-142	Soluble	Solid	300.0	41355
MB 880-41355/1-A	Method Blank	Soluble	Solid	300.0	41355
LCS 880-41355/2-A	Lab Control Sample	Soluble	Solid	300.0	41355
LCSD 880-41355/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41355
880-22328-1 MS	C-131	Soluble	Solid	300.0	41355
880-22328-1 MSD	C-131	Soluble	Solid	300.0	41355
880-22328-11 MS	C-141	Soluble	Solid	300.0	41355
880-22328-11 MSD	C-141	Soluble	Solid	300.0	41355

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-131

Lab Sample ID: 880-22328-1

Date Collected: 11/30/22 14:30

Matrix: Solid

Date Received: 12/06/22 08:29

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	41400	12/08/22 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41705	12/14/22 07:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/14/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/09/22 21:54	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 19:17	CH	EET MID

Client Sample ID: C-132

Lab Sample ID: 880-22328-2

Date Collected: 11/30/22 14:40

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41400	12/08/22 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41705	12/14/22 07:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/14/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/09/22 22:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 19:38	CH	EET MID

Client Sample ID: C-133

Lab Sample ID: 880-22328-3

Date Collected: 11/30/22 14:50

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41400	12/08/22 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41705	12/14/22 07:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/14/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/09/22 23:20	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 19:45	CH	EET MID

Client Sample ID: C-134

Lab Sample ID: 880-22328-4

Date Collected: 11/30/22 15:00

Matrix: Solid

Date Received: 12/06/22 08:29

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	41400	12/08/22 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41705	12/14/22 08:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/14/22 10:47	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-134

Lab Sample ID: 880-22328-4

Date Collected: 11/30/22 15:00

Matrix: Solid

Date Received: 12/06/22 08:29

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			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/09/22 23:42	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 19:53	CH	EET MID

Client Sample ID: C-135

Lab Sample ID: 880-22328-5

Date Collected: 12/01/22 07:40

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 00:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 20:00	CH	EET MID

Client Sample ID: C-136

Lab Sample ID: 880-22328-6

Date Collected: 12/01/22 08:00

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 00:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 20:22	CH	EET MID

Client Sample ID: C-137

Lab Sample ID: 880-22328-7

Date Collected: 12/01/22 08:10

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 00:46	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-137**Lab Sample ID: 880-22328-7****Date Collected: 12/01/22 08:10****Matrix: Solid****Date Received: 12/06/22 08:29**

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	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 20:29	CH	EET MID

Client Sample ID: C-138**Lab Sample ID: 880-22328-8****Date Collected: 12/01/22 08:20****Matrix: Solid****Date Received: 12/06/22 08:29**

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	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 01:08	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 20:36	CH	EET MID

Client Sample ID: C-139**Lab Sample ID: 880-22328-9****Date Collected: 12/01/22 08:30****Matrix: Solid****Date Received: 12/06/22 08:29**

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	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 01:29	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 20:43	CH	EET MID

Client Sample ID: C-140**Lab Sample ID: 880-22328-10****Date Collected: 12/01/22 08:40****Matrix: Solid****Date Received: 12/06/22 08:29**

Prep 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	41753	12/13/22 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41835	12/15/22 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 01:51	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 20:51	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-141

Lab Sample ID: 880-22328-11

Date Collected: 12/01/22 08:50

Matrix: Solid

Date Received: 12/06/22 08:29

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	41806	12/14/22 12:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41784	12/15/22 01:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 02:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 20:58	CH	EET MID

Client Sample ID: C-142

Lab Sample ID: 880-22328-12

Date Collected: 12/01/22 08:50

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41806	12/14/22 12:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41784	12/15/22 01:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 02:56	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 21:20	CH	EET MID

Client Sample ID: C-143

Lab Sample ID: 880-22328-13

Date Collected: 12/01/22 11:40

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41806	12/14/22 12:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41784	12/15/22 01:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 05:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 03:51	CH	EET MID

Client Sample ID: C-144

Lab Sample ID: 880-22328-14

Date Collected: 12/01/22 11:55

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41806	12/14/22 12:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41784	12/15/22 02:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 11:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-144

Lab Sample ID: 880-22328-14

Date Collected: 12/01/22 11:55

Matrix: Solid

Date Received: 12/06/22 08:29

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			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 05:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 04:12	CH	EET MID

Client Sample ID: C-145

Lab Sample ID: 880-22328-15

Date Collected: 12/01/22 12:15

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41806	12/14/22 12:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41784	12/15/22 02:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 03:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 04:19	CH	EET MID

Client Sample ID: C-146

Lab Sample ID: 880-22328-16

Date Collected: 12/01/22 12:25

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41806	12/14/22 12:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41784	12/15/22 02:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 03:39	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 04:27	CH	EET MID

Client Sample ID: C-148

Lab Sample ID: 880-22328-17

Date Collected: 12/01/22 14:40

Matrix: Solid

Date Received: 12/06/22 08:29

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	41806	12/14/22 12:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41784	12/15/22 03:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 04:00	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-148**Lab Sample ID: 880-22328-17****Date Collected: 12/01/22 14:40****Matrix: Solid****Date Received: 12/06/22 08:29**

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	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 04:34	CH	EET MID

Client Sample ID: C-149**Lab Sample ID: 880-22328-18****Date Collected: 12/01/22 14:55****Matrix: Solid****Date Received: 12/06/22 08:29**

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	41806	12/14/22 12:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41784	12/15/22 03:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 04:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 04:56	CH	EET MID

Client Sample ID: C-150**Lab Sample ID: 880-22328-19****Date Collected: 12/01/22 15:05****Matrix: Solid****Date Received: 12/06/22 08:29**

Prep 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	41806	12/14/22 12:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41784	12/15/22 03:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/15/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 04:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 05:03	CH	EET MID

Client Sample ID: C-151**Lab Sample ID: 880-22328-20****Date Collected: 12/02/22 08:00****Matrix: Solid****Date Received: 12/06/22 08:29**

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	41773	12/13/22 16:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/16/22 05:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41375	12/08/22 12:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41413	12/10/22 05:05	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 05:10	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-152

Lab Sample ID: 880-22328-21

Date Collected: 12/02/22 08:20

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41773	12/13/22 16:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/16/22 05:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/10/22 21:17	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 05:17	CH	EET MID

Client Sample ID: C-153

Lab Sample ID: 880-22328-22

Date Collected: 12/02/22 08:30

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41773	12/13/22 16:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/16/22 05:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/10/22 22:19	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 05:24	CH	EET MID

Client Sample ID: C-154

Lab Sample ID: 880-22328-23

Date Collected: 12/02/22 08:40

Matrix: Solid

Date Received: 12/06/22 08:29

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	41758	12/13/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/15/22 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/10/22 22:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 05:32	CH	EET MID

Client Sample ID: C-155

Lab Sample ID: 880-22328-24

Date Collected: 12/02/22 08:55

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41758	12/13/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/15/22 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-155

Lab Sample ID: 880-22328-24

Date Collected: 12/02/22 08:55

Matrix: Solid

Date Received: 12/06/22 08:29

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			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/10/22 22:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 05:53	CH	EET MID

Client Sample ID: C-156

Lab Sample ID: 880-22328-25

Date Collected: 12/02/22 09:05

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41758	12/13/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/15/22 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/10/22 23:20	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 06:00	CH	EET MID

Client Sample ID: C-158

Lab Sample ID: 880-22328-26

Date Collected: 12/02/22 09:20

Matrix: Solid

Date Received: 12/06/22 08:29

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	41758	12/13/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/15/22 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/10/22 23:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 06:22	CH	EET MID

Client Sample ID: C-159

Lab Sample ID: 880-22328-27

Date Collected: 12/02/22 11:45

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41758	12/13/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/15/22 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/11/22 00:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: C-159**Lab Sample ID: 880-22328-27****Date Collected: 12/02/22 11:45****Matrix: Solid****Date Received: 12/06/22 08:29**

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	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 06:29	CH	EET MID

Client Sample ID: C-160**Lab Sample ID: 880-22328-28****Date Collected: 12/02/22 12:05****Matrix: Solid****Date Received: 12/06/22 08:29**

Prep 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	41758	12/13/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/15/22 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/11/22 00:21	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 06:37	CH	EET MID

Client Sample ID: SW-18**Lab Sample ID: 880-22328-29****Date Collected: 12/02/22 11:00****Matrix: Solid****Date Received: 12/06/22 08:29**

Prep 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	41758	12/13/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/15/22 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/11/22 00:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 06:44	CH	EET MID

Client Sample ID: SW-19**Lab Sample ID: 880-22328-30****Date Collected: 12/02/22 11:15****Matrix: Solid****Date Received: 12/06/22 08:29**

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	41758	12/13/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/15/22 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/11/22 01:01	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 06:51	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Client Sample ID: SW-20

Lab Sample ID: 880-22328-31

Date Collected: 12/02/22 11:25

Matrix: Solid

Date Received: 12/06/22 08:29

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	41758	12/13/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/15/22 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/11/22 01:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 06:58	CH	EET MID

Client Sample ID: C-157

Lab Sample ID: 880-22328-32

Date Collected: 12/02/22 09:00

Matrix: Solid

Date Received: 12/06/22 08:29

Prep 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	41758	12/13/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41864	12/15/22 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41799	12/16/22 09:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			41603	12/12/22 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41382	12/08/22 14:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41511	12/11/22 02:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41258	12/07/22 10:37	KS	EET MID
Soluble	Analysis	300.0		1			41538	12/14/22 07:06	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: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

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: Hay Hurst Pond Z

Job ID: 880-22328-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22328-1	C-131	Solid	11/30/22 14:30	12/06/22 08:29
880-22328-2	C-132	Solid	11/30/22 14:40	12/06/22 08:29
880-22328-3	C-133	Solid	11/30/22 14:50	12/06/22 08:29
880-22328-4	C-134	Solid	11/30/22 15:00	12/06/22 08:29
880-22328-5	C-135	Solid	12/01/22 07:40	12/06/22 08:29
880-22328-6	C-136	Solid	12/01/22 08:00	12/06/22 08:29
880-22328-7	C-137	Solid	12/01/22 08:10	12/06/22 08:29
880-22328-8	C-138	Solid	12/01/22 08:20	12/06/22 08:29
880-22328-9	C-139	Solid	12/01/22 08:30	12/06/22 08:29
880-22328-10	C-140	Solid	12/01/22 08:40	12/06/22 08:29
880-22328-11	C-141	Solid	12/01/22 08:50	12/06/22 08:29
880-22328-12	C-142	Solid	12/01/22 08:50	12/06/22 08:29
880-22328-13	C-143	Solid	12/01/22 11:40	12/06/22 08:29
880-22328-14	C-144	Solid	12/01/22 11:55	12/06/22 08:29
880-22328-15	C-145	Solid	12/01/22 12:15	12/06/22 08:29
880-22328-16	C-146	Solid	12/01/22 12:25	12/06/22 08:29
880-22328-17	C-148	Solid	12/01/22 14:40	12/06/22 08:29
880-22328-18	C-149	Solid	12/01/22 14:55	12/06/22 08:29
880-22328-19	C-150	Solid	12/01/22 15:05	12/06/22 08:29
880-22328-20	C-151	Solid	12/02/22 08:00	12/06/22 08:29
880-22328-21	C-152	Solid	12/02/22 08:20	12/06/22 08:29
880-22328-22	C-153	Solid	12/02/22 08:30	12/06/22 08:29
880-22328-23	C-154	Solid	12/02/22 08:40	12/06/22 08:29
880-22328-24	C-155	Solid	12/02/22 08:55	12/06/22 08:29
880-22328-25	C-156	Solid	12/02/22 09:05	12/06/22 08:29
880-22328-26	C-158	Solid	12/02/22 09:20	12/06/22 08:29
880-22328-27	C-159	Solid	12/02/22 11:45	12/06/22 08:29
880-22328-28	C-160	Solid	12/02/22 12:05	12/06/22 08:29
880-22328-29	SW-18	Solid	12/02/22 11:00	12/06/22 08:29
880-22328-30	SW-19	Solid	12/02/22 11:15	12/06/22 08:29
880-22328-31	SW-20	Solid	12/02/22 11:25	12/06/22 08:29
880-22328-32	C-157	Solid	12/02/22 09:00	12/06/22 08:29

Marson & Associates, Inc.
Environmental Consultants

507 N. Marrenfeld, Ste. 202
Midland, TX 79701
432-687-0901

DATE 12/11/2021 PAGE 1 OF 3

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME HAY BLADES Pond-Z

LAI PROJECT # 22-0107-01 COLLECTOR S. RATER

Data Reported to

TRRP report? ☐ Yes ☒ No

TIME ZONE
Time zone/State MST/MT

S=SOIL
W=WATER
A=AIR

P=PAINT
SL=SLUDGE
OT=OTHER

Field Sample ID	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION					ANALYSES		FIELD NOTES
						HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE	UNPRESERVED			
C-131		11/30/22	1430	S	1						☒ BTEX ☒ MTBE ☐ TPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐		
C-132		11/30/22	1440	S	1						☒ GASOLINE MOD 8015 ☒ DIESEL - MOD 8015 ☒ OIL - MOD 8015 ☒ VOC 8260 ☒ SVOC 8270 ☒ PAH 8270 ☒ HOLDPAH ☐		
C-133		11/30/22	1450	S	1						☒ 8081 PESTICIDES ☒ 8151 HERBICIDES ☐ TCLP - METALS (RCRA) ☐ TCLP VOC ☐		
C-134		11/30/22	1500	S	1						☒ 8082 PESTICIDES ☐ 8151 HERBICIDES ☐ TCLP - METALS (RCRA) ☐ TCLP VOC ☐		
C-135		12/1/22	7:40	S	1						☒ TOTAL METALS (RCRA) ☐ SEMI-VOC ☐ OTHER LIST ☐		
C-136		12/1/22	8:00	S	1						☒ LEAD - TOTAL ☐ D W 200 8 ☐ TCLP ☐		
C-137		12/1/22	8:10	S	1						☒ RCI ☐ TOX ☐ FLASHPOINT ☐		
C-138		12/1/22	8:20	S	1						☒ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐		
C-139		12/1/22	8:30	S	1						☒ PH ☐ HEXAVALENT CHROMIUM ☐ PECTHLOATE ☐		
C-140		12/1/22	8:40	S	1						☒ EXPLOSIVES ☐ ANIONS ☐ ALKALINITY ☐		
C-141		12/1/22	8:50	S	1								
C-142		12/1/22	8:50	S	1								
C-143		12/1/22	11:40	S	1								
C-144		12/1/22	11:55	S	1								
C-145		12/1/22	12:15	S	1								

RELINQUISHED BY (Signature) _____ DATE/TIME 12/11/2021 8:10

RELINQUISHED BY (Signature) _____ DATE/TIME _____

RELINQUISHED BY (Signature) _____ DATE/TIME _____

LABORATORY Marco

RECEIVED BY (Signature) _____ DATE/TIME _____

RECEIVED BY (Signature) _____ DATE/TIME _____

RECEIVED BY (Signature) _____ DATE/TIME _____

TURN AROUND TIME

NORMAL ☒

1 DAY ☐

2 DAY ☐

OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP 41.1

CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED

CARRIER BILL # _____

HAND DELIVERED ☒



880-22328 Chain of Custody

Arson & Associates, Inc.
Environmental Consultants

507 N. Marientfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE 12/16/2022 PAGE 2 OF 3
PO# LAB WORK ORDER#
PROJECT LOCATION OR NAME HAZARDOUS POND 2
LA PROJECT # 22-0107-01 COLLECTOR J. DATES

CHAIN-OF-CUSTODY

22320 No. 2834

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 ☐TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐GASOLINE MOD 8015 ☐DIESEL - MOD 8015 ☐OIL - MOD 8015 ☐VOC 8260 ☐SVOC 8270 ☐8081 PESTICIDES ☐8082 PESTICIDES ☐TCPP - METALS (RCRA) ☐TCPP - PEST ☐TOTAL METALS (RCRA) ☐LEAD - TOTAL ☐RCI ☐TDS ☐TSS ☐PH ☐EXPLOSIVES ☐CHLORIDES ☐ANIONS ☐ALKALINITY ☐

FIELD NOTES

TOTAL

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

LABORATORY Xeno

TURN AROUND TIME

NORMAL ☒1 DAY ☐2 DAY ☐OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP

THERM#

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL #

HAND DELIVERED

Marson & Associates, Inc.
Environmental Consultants

507 N. Marientfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE 12/16/2022 PAGE 3 OF 3
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Hayhurst Pond 2
LAI PROJECT # 22-0107-01 COLLECTOR S.B.

CHAIN-OF-CUSTODY

22328 No. 2835

TRRP report?
☐ Yes ☒ No

S=SOIL
W=WATER
A=AIR
P=PAINT
SL=SLUDGE
OT=OTHER

TIME ZONE
Time zone/State

Field Sample I D

Lab # Date Time Matrix

of Containers

PRESERVATION
HCl
HNO₃
H₂SO₄ ☐ NaOH ☐
ICE
UNPRESERVED

ANALYSES
BTEX ☒ MTBE ☐
TRPH 418 1 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☐
DIESEL - MOD 8015 ☐
OIL - MOD 8015 ☐
VOC 8260 ☐
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
TCLP - METALS (RCRA) ☐ TCLP VOC ☐
TCLP - PEST ☐ HERB ☐ Semi-VOC ☐
TOTAL METALS (RCRA) ☐ OTHER LIST ☐
LEAD - TOTAL ☐ DW 200.8 ☐ TCLP ☐
RO ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
PH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PENTACHLORATE ☐
CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

SW-18
SW-19
SW-26

11/00
12/12/11 15
12/12/12 11:25

1
1
1

X
X
X

X
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TOTAL

RELINQUISHED BY (Signature)

DATE/TIME

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DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

LABORATORY Menco

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP _____ THERM# _____

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL # _____

HAND DELIVERED ☐

Loc: 880
22328

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-22328-1

SDG Number: 22-0107-01

Login Number: 22328

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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- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 12/22/2022 3:08:40 PM

JOB DESCRIPTION

Hay Hurst Pond 2
SDG NUMBER 22-0107-01

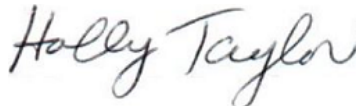
JOB NUMBER

880-22567-1

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
12/22/2022 3:08:40 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Laboratory Job ID: 880-22567-1
SDG: 22-0107-01

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1

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Job ID: 880-22567-1

Laboratory: Eurofins Midland

Narrative**Job Narrative
880-22567-1****Receipt**

The samples were received on 12/9/2022 3:51 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-161 4' (880-22567-1), C-162 4' (880-22567-2), C-163 4' (880-22567-3), C-164 4' (880-22567-4), C-165 4' (880-22567-5), C-166 4' (880-22567-6), C-167 4' (880-22567-7), C-168 4' (880-22567-8), C-169 4' (880-22567-9), C-170 4' (880-22567-10), C-171 4' (880-22567-11), C-173 4' (880-22567-12), C-174 4' (880-22567-13), C-175 4' (880-22567-14), C-176 4' (880-22567-15), C-177 4' (880-22567-16), C-178 4' (880-22567-17), SW-22 0-4 (880-22567-18), SW-23 0-4 (880-22567-19), C-181 2' (880-22567-20), C-182 2' (880-22567-21), C-183 2' (880-22567-22), C-184 2' (880-22567-23), C-185 2' (880-22567-24), C-186 2' (880-22567-25), C-187 2' (880-22567-26), C-189 2' (880-22567-27), C-192 2' (880-22567-28), C-193 2' (880-22567-29), C-194 2' (880-22567-30), C-195 2' (880-22567-31), C-197 2' (880-22567-32), C-198 2' (880-22567-33), C-199 2' (880-22567-34), C-66 10' (880-22567-35), C-67 10' (880-22567-36) and C-77 10' (880-22567-37).

GC VOA

Method 8021B: The following sample(s) was analyzed outside of analytical holding time due to instrument malfunction. C-168 4' (880-22567-8) and C-169 4' (880-22567-9).

Method 8021B: The following sample(s) was analyzed outside of analytical holding time due to instrument malfunction. C-170 4' (880-22567-10), C-171 4' (880-22567-11), C-173 4' (880-22567-12), C-174 4' (880-22567-13), C-175 4' (880-22567-14), C-176 4' (880-22567-15), C-177 4' (880-22567-16), C-178 4' (880-22567-17), SW-22 0-4 (880-22567-18) and SW-23 0-4 (880-22567-19).

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-42329 and 880-42379 and analytical batch 880-42368 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-41652 and analytical batch 880-41561 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-41651 and analytical batch 880-41695 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-41651/2-A) and (LCSD 880-41651/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-166 4' (880-22567-6), C-168 4' (880-22567-8) and C-169 4' (880-22567-9). 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-171 4' (880-22567-11) and C-173 4' (880-22567-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Diesel range hydrocarbons biased high in LCS. Since only an acceptable LCS or LCSD is required per the method, the data has been qualified and reported. (LCS 880-41651/2-A)

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-41651 and analytical batch 880-41695 recovered outside control limits for the following analytes: Diesel Range Organics (Over

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Job ID: 880-22567-1 (Continued)

Laboratory: Eurofins Midland (Continued)

C10-C28).

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-41651 and analytical batch 880-41695 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-41501 and analytical batch 880-42062 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.

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-161 4'

Lab Sample ID: 880-22567-1

Date Collected: 12/06/22 08:10

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/16/22 10:43	12/19/22 07:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 07:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 07:08	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/16/22 10:43	12/19/22 07:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 07:08	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/16/22 10:43	12/19/22 07:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/16/22 10:43	12/19/22 07:08	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/16/22 10:43	12/19/22 07:08	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			12/19/22 16:21	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 10:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1 F1	50.0	mg/Kg		12/12/22 13:23	12/13/22 10:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:23	12/13/22 10:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	12/12/22 13:23	12/13/22 10:57	1
o-Terphenyl (Surr)	121		70 - 130	12/12/22 13:23	12/13/22 10:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.6		5.05	mg/Kg			12/20/22 02:17	1

Client Sample ID: C-162 4'

Lab Sample ID: 880-22567-2

Date Collected: 12/06/22 08:20

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/16/22 10:43	12/19/22 07:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/16/22 10:43	12/19/22 07:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/16/22 10:43	12/19/22 07:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/16/22 10:43	12/19/22 07:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/16/22 10:43	12/19/22 07:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/16/22 10:43	12/19/22 07:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/16/22 10:43	12/19/22 07:29	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/16/22 10:43	12/19/22 07:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-162 4'

Lab Sample ID: 880-22567-2

Date Collected: 12/06/22 08:20

Matrix: Solid

Date Received: 12/09/22 15:51

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			12/19/22 16:21	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 12:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		12/12/22 13:23	12/13/22 12:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 13:23	12/13/22 12:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			12/12/22 13:23	12/13/22 12:03	1
o-Terphenyl (Surr)	127		70 - 130			12/12/22 13:23	12/13/22 12:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.7		4.97	mg/Kg			12/20/22 02:30	1

Client Sample ID: C-163 4'

Lab Sample ID: 880-22567-3

Date Collected: 12/06/22 08:30

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/16/22 10:43	12/19/22 07:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 07:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 07:49	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/16/22 10:43	12/19/22 07:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 07:49	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/16/22 10:43	12/19/22 07:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			12/16/22 10:43	12/19/22 07:49	1
1,4-Difluorobenzene (Surr)	102		70 - 130			12/16/22 10:43	12/19/22 07:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/19/22 16:21	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 12:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		12/12/22 13:23	12/13/22 12:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-163 4'

Lab Sample ID: 880-22567-3

Date Collected: 12/06/22 08:30

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/12/22 13:23	12/13/22 12:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			12/12/22 13:23	12/13/22 12:25	1
o-Terphenyl (Surr)	119		70 - 130			12/12/22 13:23	12/13/22 12:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.8		5.00	mg/Kg			12/20/22 02:34	1

Client Sample ID: C-164 4'

Lab Sample ID: 880-22567-4

Date Collected: 12/06/22 08:45

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/16/22 10:43	12/19/22 08:10	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/16/22 10:43	12/19/22 08:10	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/16/22 10:43	12/19/22 08:10	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/16/22 10:43	12/19/22 08:10	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/16/22 10:43	12/19/22 08:10	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/16/22 10:43	12/19/22 08:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			12/16/22 10:43	12/19/22 08:10	1
1,4-Difluorobenzene (Surr)	93		70 - 130			12/16/22 10:43	12/19/22 08:10	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			12/19/22 16:21	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 12:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		12/12/22 13:23	12/13/22 12:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:23	12/13/22 12:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			12/12/22 13:23	12/13/22 12:48	1
o-Terphenyl (Surr)	126		70 - 130			12/12/22 13:23	12/13/22 12:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2		4.98	mg/Kg			12/20/22 02:39	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-165 4'

Lab Sample ID: 880-22567-5

Date Collected: 12/06/22 09:00

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/16/22 10:43	12/19/22 08:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/16/22 10:43	12/19/22 08:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/16/22 10:43	12/19/22 08:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/16/22 10:43	12/19/22 08:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/16/22 10:43	12/19/22 08:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/16/22 10:43	12/19/22 08:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/16/22 10:43	12/19/22 08:31	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/16/22 10:43	12/19/22 08:31	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			12/19/22 16:21	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 13:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		12/12/22 13:23	12/13/22 13:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 13:23	12/13/22 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	12/12/22 13:23	12/13/22 13:10	1
o-Terphenyl (Surr)	121		70 - 130	12/12/22 13:23	12/13/22 13:10	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		4.96	mg/Kg			12/20/22 02:43	1

Client Sample ID: C-166 4'

Lab Sample ID: 880-22567-6

Date Collected: 12/06/22 09:15

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/16/22 10:43	12/19/22 09:06	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/16/22 10:43	12/19/22 09:06	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/16/22 10:43	12/19/22 09:06	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/16/22 10:43	12/19/22 09:06	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/16/22 10:43	12/19/22 09:06	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/16/22 10:43	12/19/22 09:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/16/22 10:43	12/19/22 09:06	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/16/22 10:43	12/19/22 09:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-166 4'

Lab Sample ID: 880-22567-6

Date Collected: 12/06/22 09:15

Matrix: Solid

Date Received: 12/09/22 15:51

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			12/19/22 16:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.6		50.0	mg/Kg			12/14/22 12:26	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		12/12/22 13:23	12/13/22 13:32	1
Diesel Range Organics (Over C10-C28)	70.6	*+ *1	50.0	mg/Kg		12/12/22 13:23	12/13/22 13:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:23	12/13/22 13:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130			12/12/22 13:23	12/13/22 13:32	1
o-Terphenyl (Surr)	137	S1+	70 - 130			12/12/22 13:23	12/13/22 13:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		4.95	mg/Kg			12/20/22 14:28	1

Client Sample ID: C-167 4'

Lab Sample ID: 880-22567-7

Date Collected: 12/06/22 11:00

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/16/22 10:43	12/19/22 10:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 10:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 10:30	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/16/22 10:43	12/19/22 10:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 10:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/16/22 10:43	12/19/22 10:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			12/16/22 10:43	12/19/22 10:30	1
1,4-Difluorobenzene (Surr)	89		70 - 130			12/16/22 10:43	12/19/22 10:30	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			12/19/22 16:21	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 13:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		12/12/22 13:23	12/13/22 13:54	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-167 4'

Lab Sample ID: 880-22567-7

Date Collected: 12/06/22 11:00

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/12/22 13:23	12/13/22 13:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			12/12/22 13:23	12/13/22 13:54	1
o-Terphenyl (Surr)	122		70 - 130			12/12/22 13:23	12/13/22 13:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.0		5.01	mg/Kg			12/20/22 14:33	1

Client Sample ID: C-168 4'

Lab Sample ID: 880-22567-8

Date Collected: 12/06/22 11:10

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U H	0.00198	mg/Kg		12/16/22 11:07	12/21/22 00:05	1
Toluene	<0.00198	U H	0.00198	mg/Kg		12/16/22 11:07	12/21/22 00:05	1
Ethylbenzene	<0.00198	U H	0.00198	mg/Kg		12/16/22 11:07	12/21/22 00:05	1
m,p-Xylenes	<0.00396	U H	0.00396	mg/Kg		12/16/22 11:07	12/21/22 00:05	1
o-Xylene	<0.00198	U H	0.00198	mg/Kg		12/16/22 11:07	12/21/22 00:05	1
Xylenes, Total	<0.00396	U H	0.00396	mg/Kg		12/16/22 11:07	12/21/22 00:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			12/16/22 11:07	12/21/22 00:05	1
1,4-Difluorobenzene (Surr)	99		70 - 130			12/16/22 11:07	12/21/22 00:05	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			12/21/22 12:16	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 14:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		12/12/22 13:23	12/13/22 14:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:23	12/13/22 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	136	S1+	70 - 130			12/12/22 13:23	12/13/22 14:15	1
o-Terphenyl (Surr)	144	S1+	70 - 130			12/12/22 13:23	12/13/22 14:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.9		5.04	mg/Kg			12/20/22 14:37	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-169 4'

Lab Sample ID: 880-22567-9

Date Collected: 12/06/22 11:20

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U H	0.00201	mg/Kg		12/16/22 11:07	12/21/22 00:26	1
Toluene	<0.00201	U H	0.00201	mg/Kg		12/16/22 11:07	12/21/22 00:26	1
Ethylbenzene	<0.00201	U H	0.00201	mg/Kg		12/16/22 11:07	12/21/22 00:26	1
m,p-Xylenes	<0.00402	U H	0.00402	mg/Kg		12/16/22 11:07	12/21/22 00:26	1
o-Xylene	<0.00201	U H	0.00201	mg/Kg		12/16/22 11:07	12/21/22 00:26	1
Xylenes, Total	<0.00402	U H	0.00402	mg/Kg		12/16/22 11:07	12/21/22 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/16/22 11:07	12/21/22 00:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/16/22 11:07	12/21/22 00:26	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			12/21/22 12:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.4		50.0	mg/Kg			12/14/22 12:26	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		12/12/22 13:23	12/13/22 14:37	1
Diesel Range Organics (Over C10-C28)	59.4	*+ *1	50.0	mg/Kg		12/12/22 13:23	12/13/22 14:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:23	12/13/22 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	12/12/22 13:23	12/13/22 14:37	1
o-Terphenyl (Surr)	133	S1+	70 - 130	12/12/22 13:23	12/13/22 14:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.5		4.99	mg/Kg			12/20/22 14:42	1

Client Sample ID: C-170 4'

Lab Sample ID: 880-22567-10

Date Collected: 12/06/22 11:35

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 00:10	1
Toluene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 00:10	1
Ethylbenzene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 00:10	1
m,p-Xylenes	<0.00404	U H	0.00404	mg/Kg		12/20/22 21:11	12/21/22 00:10	1
o-Xylene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 00:10	1
Xylenes, Total	<0.00404	U H	0.00404	mg/Kg		12/20/22 21:11	12/21/22 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/20/22 21:11	12/21/22 00:10	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/20/22 21:11	12/21/22 00:10	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-170 4'

Lab Sample ID: 880-22567-10

Date Collected: 12/06/22 11:35

Matrix: Solid

Date Received: 12/09/22 15:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			12/21/22 12:23	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		12/12/22 13:23	12/13/22 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 13:23	12/13/22 15:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			12/12/22 13:23	12/13/22 15:00	1
o-Terphenyl (Surr)	126		70 - 130			12/12/22 13:23	12/13/22 15:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		5.03	mg/Kg			12/20/22 03:14	1

Client Sample ID: C-171 4'

Lab Sample ID: 880-22567-11

Date Collected: 12/06/22 11:45

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 00:30	1
Toluene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 00:30	1
Ethylbenzene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 00:30	1
m,p-Xylenes	<0.00398	U H	0.00398	mg/Kg		12/20/22 21:11	12/21/22 00:30	1
o-Xylene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 00:30	1
Xylenes, Total	<0.00398	U H	0.00398	mg/Kg		12/20/22 21:11	12/21/22 00:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			12/20/22 21:11	12/21/22 00:30	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/20/22 21:11	12/21/22 00:30	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			12/21/22 12:23	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 15:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		12/12/22 13:23	12/13/22 15:44	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-171 4'

Lab Sample ID: 880-22567-11

Date Collected: 12/06/22 11:45

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/12/22 13:23	12/13/22 15:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130			12/12/22 13:23	12/13/22 15:44	1
o-Terphenyl (Surr)	136	S1+	70 - 130			12/12/22 13:23	12/13/22 15:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.81		5.04	mg/Kg			12/20/22 03:19	1

Client Sample ID: C-173 4'

Lab Sample ID: 880-22567-12

Date Collected: 12/06/22 13:40

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 00:51	1
Toluene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 00:51	1
Ethylbenzene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 00:51	1
m,p-Xylenes	<0.00399	U H	0.00399	mg/Kg		12/20/22 21:11	12/21/22 00:51	1
o-Xylene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 00:51	1
Xylenes, Total	<0.00399	U H	0.00399	mg/Kg		12/20/22 21:11	12/21/22 00:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			12/20/22 21:11	12/21/22 00:51	1
1,4-Difluorobenzene (Surr)	100		70 - 130			12/20/22 21:11	12/21/22 00:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/21/22 12:23	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 16:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		12/12/22 13:23	12/13/22 16:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:23	12/13/22 16:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130			12/12/22 13:23	12/13/22 16:06	1
o-Terphenyl (Surr)	134	S1+	70 - 130			12/12/22 13:23	12/13/22 16:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.5		4.99	mg/Kg			12/20/22 03:32	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-174 4'

Lab Sample ID: 880-22567-13

Date Collected: 12/06/22 13:50

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 01:11	1
Toluene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 01:11	1
Ethylbenzene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 01:11	1
m,p-Xylenes	<0.00403	U H	0.00403	mg/Kg		12/20/22 21:11	12/21/22 01:11	1
o-Xylene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 01:11	1
Xylenes, Total	<0.00403	U H	0.00403	mg/Kg		12/20/22 21:11	12/21/22 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/20/22 21:11	12/21/22 01:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/20/22 21:11	12/21/22 01:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			12/21/22 12:23	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 16:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		12/12/22 13:23	12/13/22 16:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:23	12/13/22 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	12/12/22 13:23	12/13/22 16:28	1
o-Terphenyl (Surr)	120		70 - 130	12/12/22 13:23	12/13/22 16:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.3		4.98	mg/Kg			12/20/22 14:46	1

Client Sample ID: C-175 4'

Lab Sample ID: 880-22567-14

Date Collected: 12/06/22 14:00

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U H	0.00201	mg/Kg		12/20/22 21:11	12/21/22 01:32	1
Toluene	<0.00201	U H	0.00201	mg/Kg		12/20/22 21:11	12/21/22 01:32	1
Ethylbenzene	<0.00201	U H	0.00201	mg/Kg		12/20/22 21:11	12/21/22 01:32	1
m,p-Xylenes	<0.00402	U H	0.00402	mg/Kg		12/20/22 21:11	12/21/22 01:32	1
o-Xylene	<0.00201	U H	0.00201	mg/Kg		12/20/22 21:11	12/21/22 01:32	1
Xylenes, Total	<0.00402	U H	0.00402	mg/Kg		12/20/22 21:11	12/21/22 01:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/20/22 21:11	12/21/22 01:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/20/22 21:11	12/21/22 01:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-175 4'

Lab Sample ID: 880-22567-14

Date Collected: 12/06/22 14:00

Matrix: Solid

Date Received: 12/09/22 15:51

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			12/21/22 12:23	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 16:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		12/12/22 13:23	12/13/22 16:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:23	12/13/22 16:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			12/12/22 13:23	12/13/22 16:51	1
o-Terphenyl (Surr)	127		70 - 130			12/12/22 13:23	12/13/22 16:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.1		5.00	mg/Kg			12/20/22 14:50	1

Client Sample ID: C-176 4'

Lab Sample ID: 880-22567-15

Date Collected: 12/06/22 14:10

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 01:52	1
Toluene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 01:52	1
Ethylbenzene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 01:52	1
m,p-Xylenes	<0.00398	U H	0.00398	mg/Kg		12/20/22 21:11	12/21/22 01:52	1
o-Xylene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 01:52	1
Xylenes, Total	<0.00398	U H	0.00398	mg/Kg		12/20/22 21:11	12/21/22 01:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			12/20/22 21:11	12/21/22 01:52	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/20/22 21:11	12/21/22 01:52	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			12/21/22 12:23	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 17:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		12/12/22 13:23	12/13/22 17:13	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-176 4'

Lab Sample ID: 880-22567-15

Date Collected: 12/06/22 14:10

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/12/22 13:23	12/13/22 17:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			12/12/22 13:23	12/13/22 17:13	1
o-Terphenyl (Surr)	122		70 - 130			12/12/22 13:23	12/13/22 17:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.0		4.95	mg/Kg			12/20/22 03:54	1

Client Sample ID: C-177 4'

Lab Sample ID: 880-22567-16

Date Collected: 12/06/22 14:20

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 02:13	1
Toluene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 02:13	1
Ethylbenzene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 02:13	1
m,p-Xylenes	<0.00401	U H	0.00401	mg/Kg		12/20/22 21:11	12/21/22 02:13	1
o-Xylene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 02:13	1
Xylenes, Total	<0.00401	U H	0.00401	mg/Kg		12/20/22 21:11	12/21/22 02:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			12/20/22 21:11	12/21/22 02:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130			12/20/22 21:11	12/21/22 02:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/21/22 12:23	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 17:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		12/12/22 13:23	12/13/22 17:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 13:23	12/13/22 17:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			12/12/22 13:23	12/13/22 17:36	1
o-Terphenyl (Surr)	122		70 - 130			12/12/22 13:23	12/13/22 17:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.2		5.02	mg/Kg			12/20/22 03:59	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-178 4'

Lab Sample ID: 880-22567-17

Date Collected: 12/06/22 14:30

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 02:33	1
Toluene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 02:33	1
Ethylbenzene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 02:33	1
m,p-Xylenes	<0.00400	U H	0.00400	mg/Kg		12/20/22 21:11	12/21/22 02:33	1
o-Xylene	<0.00200	U H	0.00200	mg/Kg		12/20/22 21:11	12/21/22 02:33	1
Xylenes, Total	<0.00400	U H	0.00400	mg/Kg		12/20/22 21:11	12/21/22 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/20/22 21:11	12/21/22 02:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/20/22 21:11	12/21/22 02:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/21/22 12:23	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		12/12/22 13:23	12/13/22 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 13:23	12/13/22 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	12/12/22 13:23	12/13/22 17:59	1
o-Terphenyl (Surr)	110		70 - 130	12/12/22 13:23	12/13/22 17:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.21		4.97	mg/Kg			12/20/22 04:03	1

Client Sample ID: SW-22 0-4

Lab Sample ID: 880-22567-18

Date Collected: 12/06/22 15:00

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 02:53	1
Toluene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 02:53	1
Ethylbenzene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 02:53	1
m,p-Xylenes	<0.00398	U H	0.00398	mg/Kg		12/20/22 21:11	12/21/22 02:53	1
o-Xylene	<0.00199	U H	0.00199	mg/Kg		12/20/22 21:11	12/21/22 02:53	1
Xylenes, Total	<0.00398	U H	0.00398	mg/Kg		12/20/22 21:11	12/21/22 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/20/22 21:11	12/21/22 02:53	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/20/22 21:11	12/21/22 02:53	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: SW-22 0-4

Lab Sample ID: 880-22567-18

Date Collected: 12/06/22 15:00

Matrix: Solid

Date Received: 12/09/22 15:51

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			12/21/22 12:23	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 18:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8	mg/Kg		12/12/22 13:23	12/13/22 18:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/12/22 13:23	12/13/22 18:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			12/12/22 13:23	12/13/22 18:21	1
o-Terphenyl (Surr)	120		70 - 130			12/12/22 13:23	12/13/22 18:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		25.0	mg/Kg			12/20/22 04:08	5

Client Sample ID: SW-23 0-4

Lab Sample ID: 880-22567-19

Date Collected: 12/06/22 15:26

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 03:14	1
Toluene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 03:14	1
Ethylbenzene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 03:14	1
m,p-Xylenes	<0.00404	U H	0.00404	mg/Kg		12/20/22 21:11	12/21/22 03:14	1
o-Xylene	<0.00202	U H	0.00202	mg/Kg		12/20/22 21:11	12/21/22 03:14	1
Xylenes, Total	<0.00404	U H	0.00404	mg/Kg		12/20/22 21:11	12/21/22 03:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			12/20/22 21:11	12/21/22 03:14	1
1,4-Difluorobenzene (Surr)	99		70 - 130			12/20/22 21:11	12/21/22 03:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			12/21/22 12:23	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 18:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		12/12/22 13:23	12/13/22 18:44	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: SW-23 0-4

Lab Sample ID: 880-22567-19

Date Collected: 12/06/22 15:26

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/12/22 13:23	12/13/22 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			12/12/22 13:23	12/13/22 18:44	1
o-Terphenyl (Surr)	118		70 - 130			12/12/22 13:23	12/13/22 18:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.2		4.95	mg/Kg			12/20/22 04:12	1

Client Sample ID: C-181 2'

Lab Sample ID: 880-22567-20

Date Collected: 12/07/22 08:40

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/20/22 15:23	12/21/22 11:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 15:23	12/21/22 11:50	1
Ethylbenzene	<0.00200	U F1	0.00200	mg/Kg		12/20/22 15:23	12/21/22 11:50	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/20/22 15:23	12/21/22 11:50	1
o-Xylene	<0.00200	U F1	0.00200	mg/Kg		12/20/22 15:23	12/21/22 11:50	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/20/22 15:23	12/21/22 11:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			12/20/22 15:23	12/21/22 11:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130			12/20/22 15:23	12/21/22 11:50	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			12/21/22 14:46	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			12/14/22 12:26	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		12/12/22 13:23	12/13/22 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		12/12/22 13:23	12/13/22 19:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 13:23	12/13/22 19:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			12/12/22 13:23	12/13/22 19:06	1
o-Terphenyl (Surr)	118		70 - 130			12/12/22 13:23	12/13/22 19:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.8		4.96	mg/Kg			12/20/22 04:17	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-182 2'

Lab Sample ID: 880-22567-21

Date Collected: 12/07/22 08:50

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/20/22 15:23	12/21/22 12:11	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/20/22 15:23	12/21/22 12:11	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		12/20/22 15:23	12/21/22 12:11	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		12/20/22 15:23	12/21/22 12:11	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/20/22 15:23	12/21/22 12:11	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		12/20/22 15:23	12/21/22 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/20/22 15:23	12/21/22 12:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/22 15:23	12/21/22 12:11	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			12/21/22 14:46	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			12/13/22 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		12/12/22 13:32	12/12/22 20:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/12/22 20:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/12/22 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	12/12/22 13:32	12/12/22 20:39	1
o-Terphenyl (Surr)	127		70 - 130	12/12/22 13:32	12/12/22 20:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.5	F1	4.98	mg/Kg			12/19/22 23:41	1

Client Sample ID: C-183 2'

Lab Sample ID: 880-22567-22

Date Collected: 12/07/22 09:00

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/20/22 15:23	12/21/22 12:31	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/20/22 15:23	12/21/22 12:31	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/20/22 15:23	12/21/22 12:31	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/20/22 15:23	12/21/22 12:31	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/20/22 15:23	12/21/22 12:31	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/20/22 15:23	12/21/22 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/20/22 15:23	12/21/22 12:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/20/22 15:23	12/21/22 12:31	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-183 2'

Lab Sample ID: 880-22567-22

Date Collected: 12/07/22 09:00

Matrix: Solid

Date Received: 12/09/22 15:51

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			12/21/22 14:46	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			12/13/22 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		12/12/22 13:32	12/12/22 21:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/12/22 21:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/12/22 21:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			12/12/22 13:32	12/12/22 21:42	1
o-Terphenyl (Surr)	121		70 - 130			12/12/22 13:32	12/12/22 21:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.6		4.97	mg/Kg			12/19/22 23:54	1

Client Sample ID: C-184 2'

Lab Sample ID: 880-22567-23

Date Collected: 12/07/22 09:10

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/20/22 15:23	12/21/22 12:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/20/22 15:23	12/21/22 12:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/20/22 15:23	12/21/22 12:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/20/22 15:23	12/21/22 12:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/20/22 15:23	12/21/22 12:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/20/22 15:23	12/21/22 12:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			12/20/22 15:23	12/21/22 12:52	1
1,4-Difluorobenzene (Surr)	102		70 - 130			12/20/22 15:23	12/21/22 12:52	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			12/21/22 14:46	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			12/13/22 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		12/12/22 13:32	12/12/22 22:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/12/22 22:03	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-184 2'

Lab Sample ID: 880-22567-23

Date Collected: 12/07/22 09:10

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/12/22 13:32	12/12/22 22:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			12/12/22 13:32	12/12/22 22:03	1
o-Terphenyl (Surr)	118		70 - 130			12/12/22 13:32	12/12/22 22:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.5		5.02	mg/Kg			12/19/22 23:59	1

Client Sample ID: C-185 2'

Lab Sample ID: 880-22567-24

Date Collected: 12/07/22 09:25

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/20/22 15:23	12/21/22 18:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 15:23	12/21/22 18:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/20/22 15:23	12/21/22 18:17	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/20/22 15:23	12/21/22 18:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/20/22 15:23	12/21/22 18:17	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/20/22 15:23	12/21/22 18:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			12/20/22 15:23	12/21/22 18:17	1
1,4-Difluorobenzene (Surr)	104		70 - 130			12/20/22 15:23	12/21/22 18:17	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			12/22/22 08:57	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			12/13/22 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		12/12/22 13:32	12/12/22 22:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/12/22 22:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/12/22 22:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			12/12/22 13:32	12/12/22 22:24	1
o-Terphenyl (Surr)	113		70 - 130			12/12/22 13:32	12/12/22 22:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	520		5.01	mg/Kg			12/20/22 00:03	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-186 2'

Lab Sample ID: 880-22567-25

Date Collected: 12/07/22 09:35

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/20/22 15:23	12/21/22 13:33	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/20/22 15:23	12/21/22 13:33	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/20/22 15:23	12/21/22 13:33	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/20/22 15:23	12/21/22 13:33	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/20/22 15:23	12/21/22 13:33	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/20/22 15:23	12/21/22 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/20/22 15:23	12/21/22 13:33	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/20/22 15:23	12/21/22 13:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/21/22 14:46	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			12/13/22 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		12/12/22 13:32	12/12/22 22:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/12/22 22:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/12/22 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	12/12/22 13:32	12/12/22 22:45	1
o-Terphenyl (Surr)	116		70 - 130	12/12/22 13:32	12/12/22 22:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.9		4.98	mg/Kg			12/20/22 00:08	1

Client Sample ID: C-187 2'

Lab Sample ID: 880-22567-26

Date Collected: 12/07/22 09:45

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/20/22 15:23	12/21/22 13:53	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/20/22 15:23	12/21/22 13:53	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		12/20/22 15:23	12/21/22 13:53	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		12/20/22 15:23	12/21/22 13:53	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/20/22 15:23	12/21/22 13:53	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		12/20/22 15:23	12/21/22 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/20/22 15:23	12/21/22 13:53	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/22 15:23	12/21/22 13:53	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-187 2'

Lab Sample ID: 880-22567-26

Date Collected: 12/07/22 09:45

Matrix: Solid

Date Received: 12/09/22 15:51

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			12/21/22 14:46	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.9		50.0	mg/Kg			12/13/22 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		12/12/22 13:32	12/12/22 23:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/12/22 23:06	1
Oil Range Organics (Over C28-C36)	56.9		50.0	mg/Kg		12/12/22 13:32	12/12/22 23:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			12/12/22 13:32	12/12/22 23:06	1
o-Terphenyl (Surr)	107		70 - 130			12/12/22 13:32	12/12/22 23:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.35		5.03	mg/Kg			12/20/22 00:21	1

Client Sample ID: C-189 2'

Lab Sample ID: 880-22567-27

Date Collected: 12/07/22 12:30

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/20/22 15:23	12/21/22 14:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/20/22 15:23	12/21/22 14:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/20/22 15:23	12/21/22 14:14	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/20/22 15:23	12/21/22 14:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/20/22 15:23	12/21/22 14:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/20/22 15:23	12/21/22 14:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			12/20/22 15:23	12/21/22 14:14	1
1,4-Difluorobenzene (Surr)	102		70 - 130			12/20/22 15:23	12/21/22 14:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/21/22 14:46	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	246		49.9	mg/Kg			12/13/22 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		12/12/22 13:32	12/12/22 23:27	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-189 2'

Lab Sample ID: 880-22567-27

Date Collected: 12/07/22 12:30

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	63.4		49.9	mg/Kg		12/12/22 13:32	12/12/22 23:27	1
Oil Range Organics (Over C28-C36)	183		49.9	mg/Kg		12/12/22 13:32	12/12/22 23:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			12/12/22 13:32	12/12/22 23:27	1
o-Terphenyl (Surr)	126		70 - 130			12/12/22 13:32	12/12/22 23:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		4.96	mg/Kg			12/20/22 00:25	1

Client Sample ID: C-192 2'

Lab Sample ID: 880-22567-28

Date Collected: 12/07/22 13:05

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/20/22 15:23	12/21/22 14:34	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/20/22 15:23	12/21/22 14:34	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/20/22 15:23	12/21/22 14:34	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/20/22 15:23	12/21/22 14:34	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/20/22 15:23	12/21/22 14:34	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/20/22 15:23	12/21/22 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			12/20/22 15:23	12/21/22 14:34	1
1,4-Difluorobenzene (Surr)	105		70 - 130			12/20/22 15:23	12/21/22 14:34	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			12/21/22 15:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	504		50.0	mg/Kg			12/13/22 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		12/12/22 13:32	12/12/22 23:48	1
Diesel Range Organics (Over C10-C28)	125		50.0	mg/Kg		12/12/22 13:32	12/12/22 23:48	1
Oil Range Organics (Over C28-C36)	379		50.0	mg/Kg		12/12/22 13:32	12/12/22 23:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			12/12/22 13:32	12/12/22 23:48	1
o-Terphenyl (Surr)	129		70 - 130			12/12/22 13:32	12/12/22 23:48	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-192 2'

Lab Sample ID: 880-22567-28

Date Collected: 12/07/22 13:05

Matrix: Solid

Date Received: 12/09/22 15:51

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		4.99	mg/Kg			12/20/22 00:30	1

Client Sample ID: C-193 2'

Lab Sample ID: 880-22567-29

Date Collected: 12/07/22 13:20

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/20/22 15:23	12/21/22 14:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/20/22 15:23	12/21/22 14:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/20/22 15:23	12/21/22 14:55	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/20/22 15:23	12/21/22 14:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/20/22 15:23	12/21/22 14:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/20/22 15:23	12/21/22 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/20/22 15:23	12/21/22 14:55	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/20/22 15:23	12/21/22 14:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/21/22 15:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.3		50.0	mg/Kg			12/13/22 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		12/12/22 13:32	12/13/22 00:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/13/22 00:08	1
Oil Range Organics (Over C28-C36)	56.3		50.0	mg/Kg		12/12/22 13:32	12/13/22 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	12/12/22 13:32	12/13/22 00:08	1
o-Terphenyl (Surr)	114		70 - 130	12/12/22 13:32	12/13/22 00:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	375		5.04	mg/Kg			12/20/22 00:34	1

Client Sample ID: C-194 2'

Lab Sample ID: 880-22567-30

Date Collected: 12/08/22 07:50

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/21/22 09:42	12/22/22 12:52	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/21/22 09:42	12/22/22 12:52	1
Ethylbenzene	<0.00202	U F1	0.00202	mg/Kg		12/21/22 09:42	12/22/22 12:52	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-194 2'

Lab Sample ID: 880-22567-30

Date Collected: 12/08/22 07:50

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00403	U F1	0.00403	mg/Kg		12/21/22 09:42	12/22/22 12:52	1
o-Xylene	<0.00202	U F1	0.00202	mg/Kg		12/21/22 09:42	12/22/22 12:52	1
Xylenes, Total	<0.00403	U F1	0.00403	mg/Kg		12/21/22 09:42	12/22/22 12:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			12/21/22 09:42	12/22/22 12:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130			12/21/22 09:42	12/22/22 12:52	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			12/22/22 15:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.3		49.9	mg/Kg			12/13/22 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		12/12/22 13:32	12/13/22 00:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/13/22 00:29	1
Oil Range Organics (Over C28-C36)	53.3		49.9	mg/Kg		12/12/22 13:32	12/13/22 00:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			12/12/22 13:32	12/13/22 00:29	1
o-Terphenyl (Surr)	109		70 - 130			12/12/22 13:32	12/13/22 00:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.6		4.95	mg/Kg			12/20/22 00:39	1

Client Sample ID: C-195 2'

Lab Sample ID: 880-22567-31

Date Collected: 12/08/22 08:05

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/21/22 09:42	12/22/22 13:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/21/22 09:42	12/22/22 13:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/21/22 09:42	12/22/22 13:12	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/21/22 09:42	12/22/22 13:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/21/22 09:42	12/22/22 13:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/21/22 09:42	12/22/22 13:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			12/21/22 09:42	12/22/22 13:12	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/21/22 09:42	12/22/22 13:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/22/22 15:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-195 2'

Lab Sample ID: 880-22567-31

Date Collected: 12/08/22 08:05

Matrix: Solid

Date Received: 12/09/22 15:51

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			12/13/22 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		12/12/22 13:32	12/13/22 01:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/13/22 01:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/13/22 01:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			12/12/22 13:32	12/13/22 01:10	1
o-Terphenyl (Surr)	113		70 - 130			12/12/22 13:32	12/13/22 01:10	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.8		5.02	mg/Kg			12/20/22 00:43	1

Client Sample ID: C-197 2'

Lab Sample ID: 880-22567-32

Date Collected: 12/08/22 08:25

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/21/22 09:42	12/22/22 13:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 13:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 13:33	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/21/22 09:42	12/22/22 13:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 13:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/21/22 09:42	12/22/22 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			12/21/22 09:42	12/22/22 13:33	1
1,4-Difluorobenzene (Surr)	106		70 - 130			12/21/22 09:42	12/22/22 13:33	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			12/22/22 15:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/13/22 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		12/12/22 13:32	12/13/22 01:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/13/22 01:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/13/22 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			12/12/22 13:32	12/13/22 01:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-197 2'

Lab Sample ID: 880-22567-32

Date Collected: 12/08/22 08:25

Matrix: Solid

Date Received: 12/09/22 15:51

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	114		70 - 130	12/12/22 13:32	12/13/22 01:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		4.98	mg/Kg			12/20/22 00:57	1

Client Sample ID: C-198 2'

Lab Sample ID: 880-22567-33

Date Collected: 12/08/22 08:35

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/21/22 09:42	12/22/22 13:53	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/21/22 09:42	12/22/22 13:53	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/21/22 09:42	12/22/22 13:53	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/21/22 09:42	12/22/22 13:53	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/21/22 09:42	12/22/22 13:53	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/21/22 09:42	12/22/22 13:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			12/21/22 09:42	12/22/22 13:53	1
1,4-Difluorobenzene (Surr)	105		70 - 130			12/21/22 09:42	12/22/22 13:53	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			12/22/22 15:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/13/22 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		12/12/22 13:32	12/13/22 01:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/13/22 01:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/13/22 01:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			12/12/22 13:32	12/13/22 01:53	1
o-Terphenyl (Surr)	119		70 - 130			12/12/22 13:32	12/13/22 01:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.8		5.00	mg/Kg			12/20/22 01:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-199 2'

Lab Sample ID: 880-22567-34

Date Collected: 12/08/22 08:45

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/21/22 09:42	12/22/22 14:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/21/22 09:42	12/22/22 14:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/21/22 09:42	12/22/22 14:14	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/21/22 09:42	12/22/22 14:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/21/22 09:42	12/22/22 14:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/21/22 09:42	12/22/22 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/21/22 09:42	12/22/22 14:14	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/21/22 09:42	12/22/22 14:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/22/22 15:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/13/22 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		12/12/22 13:32	12/13/22 02:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/13/22 02:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/13/22 02:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	12/12/22 13:32	12/13/22 02:15	1
o-Terphenyl (Surr)	124		70 - 130	12/12/22 13:32	12/13/22 02:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.9		5.00	mg/Kg			12/20/22 01:14	1

Client Sample ID: C-66 10'

Lab Sample ID: 880-22567-35

Date Collected: 12/08/22 14:45

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/21/22 09:42	12/22/22 14:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 14:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 14:34	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/21/22 09:42	12/22/22 14:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 14:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/21/22 09:42	12/22/22 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/21/22 09:42	12/22/22 14:34	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/21/22 09:42	12/22/22 14:34	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-66 10'

Lab Sample ID: 880-22567-35

Date Collected: 12/08/22 14:45

Matrix: Solid

Date Received: 12/09/22 15:51

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			12/22/22 15:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/13/22 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		12/12/22 13:32	12/13/22 02:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/13/22 02:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/13/22 02:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			12/12/22 13:32	12/13/22 02:36	1
o-Terphenyl (Surr)	121		70 - 130			12/12/22 13:32	12/13/22 02:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	353		4.97	mg/Kg			12/20/22 01:19	1

Client Sample ID: C-67 10'

Lab Sample ID: 880-22567-36

Date Collected: 12/08/22 14:55

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/21/22 09:42	12/22/22 14:55	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/21/22 09:42	12/22/22 14:55	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/21/22 09:42	12/22/22 14:55	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/21/22 09:42	12/22/22 14:55	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/21/22 09:42	12/22/22 14:55	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/21/22 09:42	12/22/22 14:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			12/21/22 09:42	12/22/22 14:55	1
1,4-Difluorobenzene (Surr)	108		70 - 130			12/21/22 09:42	12/22/22 14:55	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			12/22/22 15:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/13/22 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		12/12/22 13:32	12/13/22 02:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/13/22 02:58	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-67 10'

Lab Sample ID: 880-22567-36

Date Collected: 12/08/22 14:55

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/12/22 13:32	12/13/22 02:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			12/12/22 13:32	12/13/22 02:58	1
o-Terphenyl (Surr)	124		70 - 130			12/12/22 13:32	12/13/22 02:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	319		4.96	mg/Kg			12/20/22 01:23	1

Client Sample ID: C-77 10'

Lab Sample ID: 880-22567-37

Date Collected: 12/08/22 15:05

Matrix: Solid

Date Received: 12/09/22 15:51

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		12/21/22 09:42	12/22/22 15:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/21/22 09:42	12/22/22 15:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/21/22 09:42	12/22/22 15:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/21/22 09:42	12/22/22 15:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/21/22 09:42	12/22/22 15:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/21/22 09:42	12/22/22 15:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			12/21/22 09:42	12/22/22 15:15	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/21/22 09:42	12/22/22 15:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/22/22 15:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/13/22 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		12/12/22 13:32	12/13/22 03:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/13/22 03:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/12/22 13:32	12/13/22 03:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			12/12/22 13:32	12/13/22 03:19	1
o-Terphenyl (Surr)	116		70 - 130			12/12/22 13:32	12/13/22 03:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.0		5.02	mg/Kg			12/20/22 01:28	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

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)
880-22567-1	C-161 4'	116	102
880-22567-2	C-162 4'	117	104
880-22567-3	C-163 4'	116	102
880-22567-4	C-164 4'	117	93
880-22567-5	C-165 4'	125	103
880-22567-6	C-166 4'	113	91
880-22567-7	C-167 4'	115	89
880-22567-8	C-168 4'	114	99
880-22567-9	C-169 4'	120	100
880-22567-10	C-170 4'	102	99
880-22567-10 MS	C-170 4'	99	94
880-22567-10 MSD	C-170 4'	99	96
880-22567-11	C-171 4'	105	101
880-22567-12	C-173 4'	111	100
880-22567-13	C-174 4'	111	100
880-22567-14	C-175 4'	108	100
880-22567-15	C-176 4'	105	101
880-22567-16	C-177 4'	111	99
880-22567-17	C-178 4'	115	100
880-22567-18	SW-22 0-4	107	101
880-22567-19	SW-23 0-4	105	99
880-22567-20	C-181 2'	101	100
880-22567-20 MS	C-181 2'	99	99
880-22567-20 MSD	C-181 2'	104	99
880-22567-21	C-182 2'	100	98
880-22567-22	C-183 2'	100	95
880-22567-23	C-184 2'	99	102
880-22567-24	C-185 2'	101	104
880-22567-25	C-186 2'	107	102
880-22567-26	C-187 2'	106	98
880-22567-27	C-189 2'	103	102
880-22567-28	C-192 2'	98	105
880-22567-29	C-193 2'	106	99
880-22567-30	C-194 2'	86	105
880-22567-30 MS	C-194 2'	92	108
880-22567-30 MSD	C-194 2'	91	110
880-22567-31	C-195 2'	96	109
880-22567-32	C-197 2'	96	106
880-22567-33	C-198 2'	95	105
880-22567-34	C-199 2'	95	109
880-22567-35	C-66 10'	95	107
880-22567-36	C-67 10'	95	108
880-22567-37	C-77 10'	95	109
LCS 880-42016/1-A	Lab Control Sample	109	94
LCS 880-42020/1-A	Lab Control Sample	103	93
LCS 880-42329/1-A	Lab Control Sample	98	100
LCS 880-42356/1-A	Lab Control Sample	101	99
LCS 880-42379/1-A	Lab Control Sample	87	108
LCSD 880-42016/2-A	Lab Control Sample Dup	106	92

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-22567-1

Project/Site: Hay Hurst Pond 2

SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCSD 880-42020/2-A	Lab Control Sample Dup	105	95
LCSD 880-42329/2-A	Lab Control Sample Dup	96	99
LCSD 880-42356/2-A	Lab Control Sample Dup	98	97
LCSD 880-42379/2-A	Lab Control Sample Dup	84	106
MB 880-42016/5-A	Method Blank	100	86
MB 880-42018/5-A	Method Blank	102	89
MB 880-42019/5-A	Method Blank	102	86
MB 880-42020/5-A	Method Blank	97	89
MB 880-42329/5-A	Method Blank	87	101
MB 880-42356/5-A	Method Blank	90	101
MB 880-42368/39	Method Blank	89	103
MB 880-42379/5-A	Method Blank	85	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22567-1	C-161 4'	108	121
880-22567-1 MS	C-161 4'	130	127
880-22567-1 MSD	C-161 4'	113	114
880-22567-2	C-162 4'	119	127
880-22567-3	C-163 4'	109	119
880-22567-4	C-164 4'	114	126
880-22567-5	C-165 4'	109	121
880-22567-6	C-166 4'	127	137 S1+
880-22567-7	C-167 4'	110	122
880-22567-8	C-168 4'	136 S1+	144 S1+
880-22567-9	C-169 4'	121	133 S1+
880-22567-10	C-170 4'	112	126
880-22567-11	C-171 4'	127	136 S1+
880-22567-12	C-173 4'	127	134 S1+
880-22567-13	C-174 4'	108	120
880-22567-14	C-175 4'	116	127
880-22567-15	C-176 4'	112	122
880-22567-16	C-177 4'	113	122
880-22567-17	C-178 4'	103	110
880-22567-18	SW-22 0-4	108	120
880-22567-19	SW-23 0-4	107	118
880-22567-20	C-181 2'	106	118
880-22567-21	C-182 2'	115	127
880-22567-21 MS	C-182 2'	109	104
880-22567-21 MSD	C-182 2'	110	103
880-22567-22	C-183 2'	112	121
880-22567-23	C-184 2'	111	118
880-22567-24	C-185 2'	107	113

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-22567-1

Project/Site: Hay Hurst Pond 2

SDG: 22-0107-01

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)
880-22567-25	C-186 2'	110	116
880-22567-26	C-187 2'	103	107
880-22567-27	C-189 2'	118	126
880-22567-28	C-192 2'	120	129
880-22567-29	C-193 2'	105	114
880-22567-30	C-194 2'	100	109
880-22567-31	C-195 2'	104	113
880-22567-32	C-197 2'	103	114
880-22567-33	C-198 2'	109	119
880-22567-34	C-199 2'	115	124
880-22567-35	C-66 10'	108	121
880-22567-36	C-67 10'	109	124
880-22567-37	C-77 10'	104	116
LCS 880-41651/2-A	Lab Control Sample	166 S1+	182 S1+
LCS 880-41652/2-A	Lab Control Sample	91	93
LCSD 880-41651/3-A	Lab Control Sample Dup	125	138 S1+
LCSD 880-41652/3-A	Lab Control Sample Dup	87	91
MB 880-41651/1-A	Method Blank	158 S1+	234 S1+
MB 880-41652/1-A	Method Blank	153 S1+	230 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42016/5-A

Matrix: Solid

Analysis Batch: 41993

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42016

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 05:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 05:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 05:24	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/16/22 10:43	12/19/22 05:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:43	12/19/22 05:24	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/16/22 10:43	12/19/22 05:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/16/22 10:43	12/19/22 05:24	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/16/22 10:43	12/19/22 05:24	1

Lab Sample ID: LCS 880-42016/1-A

Matrix: Solid

Analysis Batch: 41993

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07289		mg/Kg		73	70 - 130
Toluene	0.100	0.07289		mg/Kg		73	70 - 130
Ethylbenzene	0.100	0.07296		mg/Kg		73	70 - 130
m,p-Xylenes	0.200	0.1611		mg/Kg		81	70 - 130
o-Xylene	0.100	0.08530		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-42016/2-A

Matrix: Solid

Analysis Batch: 41993

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42016

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09017		mg/Kg		90	70 - 130	21	35
Toluene	0.100	0.08817		mg/Kg		88	70 - 130	19	35
Ethylbenzene	0.100	0.08685		mg/Kg		87	70 - 130	17	35
m,p-Xylenes	0.200	0.1862		mg/Kg		93	70 - 130	14	35
o-Xylene	0.100	0.09576		mg/Kg		96	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-42018/5-A

Matrix: Solid

Analysis Batch: 41993

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42018

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:55	12/18/22 18:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:55	12/18/22 18:43	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-42018/5-A

Matrix: Solid

Analysis Batch: 41993

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42018

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:55	12/18/22 18:43	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/16/22 10:55	12/18/22 18:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:55	12/18/22 18:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/16/22 10:55	12/18/22 18:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/16/22 10:55	12/18/22 18:43	1
1,4-Difluorobenzene (Surr)	89		70 - 130	12/16/22 10:55	12/18/22 18:43	1

Lab Sample ID: MB 880-42019/5-A

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42019

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:59	12/20/22 03:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:59	12/20/22 03:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:59	12/20/22 03:14	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/16/22 10:59	12/20/22 03:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/16/22 10:59	12/20/22 03:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/16/22 10:59	12/20/22 03:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/16/22 10:59	12/20/22 03:14	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/16/22 10:59	12/20/22 03:14	1

Lab Sample ID: MB 880-42020/5-A

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42020

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/16/22 11:07	12/20/22 16:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/16/22 11:07	12/20/22 16:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/16/22 11:07	12/20/22 16:20	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/16/22 11:07	12/20/22 16:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/16/22 11:07	12/20/22 16:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/16/22 11:07	12/20/22 16:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/16/22 11:07	12/20/22 16:20	1
1,4-Difluorobenzene (Surr)	89		70 - 130	12/16/22 11:07	12/20/22 16:20	1

Lab Sample ID: LCS 880-42020/1-A

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09474		mg/Kg		95	70 - 130
Toluene	0.100	0.09105		mg/Kg		91	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-42020/1-A

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.08644		mg/Kg		86	70 - 130
m,p-Xylenes	0.200	0.1856		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09578		mg/Kg		96	70 - 130

Surrogate	%Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-42020/2-A

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42020

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1010		mg/Kg		101	70 - 130	6	35
Toluene	0.100	0.09524		mg/Kg		95	70 - 130	4	35
Ethylbenzene	0.100	0.09076		mg/Kg		91	70 - 130	5	35
m,p-Xylenes	0.200	0.1962		mg/Kg		98	70 - 130	6	35
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130	5	35

Surrogate	%Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-42329/5-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42329

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/20/22 15:23	12/21/22 11:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 15:23	12/21/22 11:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/20/22 15:23	12/21/22 11:22	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/20/22 15:23	12/21/22 11:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/20/22 15:23	12/21/22 11:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/20/22 15:23	12/21/22 11:22	1

Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	12/20/22 15:23	12/21/22 11:22	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/20/22 15:23	12/21/22 11:22	1

Lab Sample ID: LCS 880-42329/1-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09235		mg/Kg		92	70 - 130
Toluene	0.100	0.08850		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08780		mg/Kg		88	70 - 130
m,p-Xylenes	0.200	0.1828		mg/Kg		91	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-42329/1-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08816		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-42329/2-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42329

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09353		mg/Kg		94	70 - 130	1	35
Toluene	0.100	0.08701		mg/Kg		87	70 - 130	2	35
Ethylbenzene	0.100	0.08572		mg/Kg		86	70 - 130	2	35
m,p-Xylenes	0.200	0.1790		mg/Kg		90	70 - 130	2	35
o-Xylene	0.100	0.08705		mg/Kg		87	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-22567-20 MS

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: C-181 2'

Prep Type: Total/NA

Prep Batch: 42329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.08508		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.101	0.07808		mg/Kg		77	70 - 130
Ethylbenzene	<0.00200	U F1	0.101	0.07305		mg/Kg		72	70 - 130
m,p-Xylenes	<0.00399	U	0.202	0.1518		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U F1	0.101	0.07296		mg/Kg		72	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-22567-20 MSD

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: C-181 2'

Prep Type: Total/NA

Prep Batch: 42329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.07864		mg/Kg		79	70 - 130	8	35
Toluene	<0.00200	U	0.0996	0.07159		mg/Kg		72	70 - 130	9	35
Ethylbenzene	<0.00200	U F1	0.0996	0.06671	F1	mg/Kg		67	70 - 130	9	35
m,p-Xylenes	<0.00399	U	0.199	0.1402		mg/Kg		70	70 - 130	8	35
o-Xylene	<0.00200	U F1	0.0996	0.06795	F1	mg/Kg		68	70 - 130	7	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-22567-20 MSD

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: C-181 2'

Prep Type: Total/NA

Prep Batch: 42329

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-42356/5-A

Matrix: Solid

Analysis Batch: 42355

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42356

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:11	12/20/22 23:41	1	
Toluene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:11	12/20/22 23:41	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:11	12/20/22 23:41	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/20/22 21:11	12/20/22 23:41	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/20/22 21:11	12/20/22 23:41	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/20/22 21:11	12/20/22 23:41	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
4-Bromofluorobenzene (Surr)	90		70 - 130	12/20/22 21:11	12/20/22 23:41	1			
1,4-Difluorobenzene (Surr)	101		70 - 130	12/20/22 21:11	12/20/22 23:41	1			

Lab Sample ID: LCS 880-42356/1-A

Matrix: Solid

Analysis Batch: 42355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42356

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.08241		mg/Kg		82	70 - 130		
Toluene	0.100	0.08550		mg/Kg		86	70 - 130		
Ethylbenzene	0.100	0.08584		mg/Kg		86	70 - 130		
m,p-Xylenes	0.200	0.1831		mg/Kg		92	70 - 130		
o-Xylene	0.100	0.08883		mg/Kg		89	70 - 130		

	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: LCSD 880-42356/2-A

Matrix: Solid

Analysis Batch: 42355

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42356

	Spike	LCSD	LCSD					%Rec	RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08314		mg/Kg		83	70 - 130	1	35	
Toluene	0.100	0.08215		mg/Kg		82	70 - 130	4	35	
Ethylbenzene	0.100	0.08247		mg/Kg		82	70 - 130	4	35	
m,p-Xylenes	0.200	0.1750		mg/Kg		87	70 - 130	5	35	
o-Xylene	0.100	0.08460		mg/Kg		85	70 - 130	5	35	

	LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	98		70 - 130							

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-42356/2-A

Matrix: Solid

Analysis Batch: 42355

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42356

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-22567-10 MS

Matrix: Solid

Analysis Batch: 42355

Client Sample ID: C-170 4'

Prep Type: Total/NA

Prep Batch: 42356

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U H	0.101	0.09278		mg/Kg		92	70 - 130	
Toluene	<0.00202	U H	0.101	0.09059		mg/Kg		90	70 - 130	
Ethylbenzene	<0.00202	U H	0.101	0.09420		mg/Kg		93	70 - 130	
m,p-Xylenes	<0.00404	U H	0.202	0.2004		mg/Kg		99	70 - 130	
o-Xylene	<0.00202	U H	0.101	0.09651		mg/Kg		96	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-22567-10 MSD

Matrix: Solid

Analysis Batch: 42355

Client Sample ID: C-170 4'

Prep Type: Total/NA

Prep Batch: 42356

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00202	U H	0.0994	0.09280		mg/Kg		93	70 - 130	0	35	
Toluene	<0.00202	U H	0.0994	0.09270		mg/Kg		93	70 - 130	2	35	
Ethylbenzene	<0.00202	U H	0.0994	0.09401		mg/Kg		95	70 - 130	0	35	
m,p-Xylenes	<0.00404	U H	0.199	0.2009		mg/Kg		101	70 - 130	0	35	
o-Xylene	<0.00202	U H	0.0994	0.09646		mg/Kg		97	70 - 130	0	35	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-42368/39

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	<0.00200	U	0.00200	mg/Kg			12/21/22 23:09	1		
Toluene	<0.00200	U	0.00200	mg/Kg			12/21/22 23:09	1		
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			12/21/22 23:09	1		
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg			12/21/22 23:09	1		
o-Xylene	<0.00200	U	0.00200	mg/Kg			12/21/22 23:09	1		
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			12/21/22 23:09	1		

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	89		70 - 130		12/21/22 23:09	1				
1,4-Difluorobenzene (Surr)	103		70 - 130		12/21/22 23:09	1				

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-42379/5-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42379

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 12:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 12:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 12:23	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/21/22 09:42	12/22/22 12:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 12:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/21/22 09:42	12/22/22 12:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	12/21/22 09:42	12/22/22 12:23	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/21/22 09:42	12/22/22 12:23	1

Lab Sample ID: LCS 880-42379/1-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1076		mg/Kg		108	70 - 130
Toluene	0.100	0.08907		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08377		mg/Kg		84	70 - 130
m,p-Xylenes	0.200	0.1657		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08112		mg/Kg		81	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-42379/2-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42379

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1024		mg/Kg		102	70 - 130	5	35
Toluene	0.100	0.08655		mg/Kg		87	70 - 130	3	35
Ethylbenzene	0.100	0.08256		mg/Kg		83	70 - 130	1	35
m,p-Xylenes	0.200	0.1650		mg/Kg		82	70 - 130	0	35
o-Xylene	0.100	0.07783		mg/Kg		78	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-22567-30 MS

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: C-194 2'

Prep Type: Total/NA

Prep Batch: 42379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.09358		mg/Kg		93	70 - 130
Toluene	<0.00202	U	0.101	0.07635		mg/Kg		76	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-22567-30 MS

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: C-194 2'

Prep Type: Total/NA

Prep Batch: 42379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U F1	0.101	0.06833	F1	mg/Kg		68	70 - 130
m,p-Xylenes	<0.00403	U F1	0.202	0.1346	F1	mg/Kg		67	70 - 130
o-Xylene	<0.00202	U F1	0.101	0.06589	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-22567-30 MSD

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: C-194 2'

Prep Type: Total/NA

Prep Batch: 42379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0996	0.09342		mg/Kg		94	70 - 130	0	35
Toluene	<0.00202	U	0.0996	0.07399		mg/Kg		74	70 - 130	3	35
Ethylbenzene	<0.00202	U F1	0.0996	0.06298	F1	mg/Kg		63	70 - 130	8	35
m,p-Xylenes	<0.00403	U F1	0.199	0.1205	F1	mg/Kg		60	70 - 130	11	35
o-Xylene	<0.00202	U F1	0.0996	0.05986	F1	mg/Kg		60	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-41651/1-A

Matrix: Solid

Analysis Batch: 41695

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41651

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		12/12/22 13:23	12/13/22 08:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 13:23	12/13/22 08:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:23	12/13/22 08:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	158	S1+	70 - 130	12/12/22 13:23	12/13/22 08:06	1
o-Terphenyl (Surr)	234	S1+	70 - 130	12/12/22 13:23	12/13/22 08:06	1

Lab Sample ID: LCS 880-41651/2-A

Matrix: Solid

Analysis Batch: 41695

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41651

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1150		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1558	*+	mg/Kg		156	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-41651/2-A

Matrix: Solid

Analysis Batch: 41695

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41651

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	166	S1+	70 - 130
o-Terphenyl (Surr)	182	S1+	70 - 130

Lab Sample ID: LCSD 880-41651/3-A

Matrix: Solid

Analysis Batch: 41695

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41651

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1190		mg/Kg		119	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)			1000	1164	*1	mg/Kg		116	70 - 130	29	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	125		70 - 130
o-Terphenyl (Surr)	138	S1+	70 - 130

Lab Sample ID: 880-22567-1 MS

Matrix: Solid

Analysis Batch: 41695

Client Sample ID: C-161 4'

Prep Type: Total/NA

Prep Batch: 41651

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1205		mg/Kg		121	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1 F1	999	1391	F1	mg/Kg		136	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	130		70 - 130
o-Terphenyl (Surr)	127		70 - 130

Lab Sample ID: 880-22567-1 MSD

Matrix: Solid

Analysis Batch: 41695

Client Sample ID: C-161 4'

Prep Type: Total/NA

Prep Batch: 41651

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1062		mg/Kg		107	70 - 130	13	20	
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1 F1	997	1222		mg/Kg		119	70 - 130	13	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	114		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-41652/1-A

Matrix: Solid

Analysis Batch: 41561

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41652

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		12/12/22 13:32	12/12/22 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/12/22 19:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/12/22 13:32	12/12/22 19:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	153	S1+	70 - 130			12/12/22 13:32	12/12/22 19:36	1
o-Terphenyl (Surr)	230	S1+	70 - 130			12/12/22 13:32	12/12/22 19:36	1

Lab Sample ID: LCS 880-41652/2-A

Matrix: Solid

Analysis Batch: 41561

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	852.4		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	946.7		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	91		70 - 130				
o-Terphenyl (Surr)	93		70 - 130				

Lab Sample ID: LCSD 880-41652/3-A

Matrix: Solid

Analysis Batch: 41561

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41652

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	825.7		mg/Kg		83	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	922.6		mg/Kg		92	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	87		70 - 130						
o-Terphenyl (Surr)	91		70 - 130						

Lab Sample ID: 880-22567-21 MS

Matrix: Solid

Analysis Batch: 41561

Client Sample ID: C-182 2'

Prep Type: Total/NA

Prep Batch: 41652

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	999	924.4		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	954.2		mg/Kg		96	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-22567-21 MS

Matrix: Solid

Analysis Batch: 41561

Client Sample ID: C-182 2'

Prep Type: Total/NA

Prep Batch: 41652

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	104		70 - 130

Lab Sample ID: 880-22567-21 MSD

Matrix: Solid

Analysis Batch: 41561

Client Sample ID: C-182 2'

Prep Type: Total/NA

Prep Batch: 41652

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	921.7		mg/Kg		91	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	951.2		mg/Kg		95	70 - 130	0	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	110		70 - 130								
o-Terphenyl (Surr)	103		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41501/1-A

Matrix: Solid

Analysis Batch: 42062

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			12/19/22 23:28	1		

Lab Sample ID: LCS 880-41501/2-A

Matrix: Solid

Analysis Batch: 42062

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	237.1		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-41501/3-A

Matrix: Solid

Analysis Batch: 42062

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	238.2		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-22567-21 MS

Matrix: Solid

Analysis Batch: 42062

Client Sample ID: C-182 2'

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	52.5	F1	249	273.3	F1	mg/Kg		89	90 - 110		

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-22567-21 MSD

Matrix: Solid

Analysis Batch: 42062

Client Sample ID: C-182 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	52.5	F1	249	273.5	F1	mg/Kg		89	90 - 110	0	20

Lab Sample ID: 880-22567-31 MS

Matrix: Solid

Analysis Batch: 42062

Client Sample ID: C-195 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	43.8		251	270.8		mg/Kg		90	90 - 110		

Lab Sample ID: 880-22567-31 MSD

Matrix: Solid

Analysis Batch: 42062

Client Sample ID: C-195 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.8		251	270.5		mg/Kg		90	90 - 110	0	20

Lab Sample ID: MB 880-41500/1-A

Matrix: Solid

Analysis Batch: 42163

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			12/20/22 02:03	1

Lab Sample ID: LCS 880-41500/2-A

Matrix: Solid

Analysis Batch: 42163

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	237.9		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-41500/3-A

Matrix: Solid

Analysis Batch: 42163

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	238.6		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-22567-1 MS

Matrix: Solid

Analysis Batch: 42163

Client Sample ID: C-161 4'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	50.6		253	276.7		mg/Kg		90	90 - 110		

Lab Sample ID: 880-22567-1 MSD

Matrix: Solid

Analysis Batch: 42163

Client Sample ID: C-161 4'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	50.6		253	276.9		mg/Kg		90	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-22567-11 MS

Matrix: Solid

Analysis Batch: 42163

Client Sample ID: C-171 4'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.81		252	243.8		mg/Kg		94	90 - 110

Lab Sample ID: 880-22567-11 MSD

Matrix: Solid

Analysis Batch: 42163

Client Sample ID: C-171 4'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5.81		252	244.2		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

GC VOA

Analysis Batch: 41993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-1	C-161 4'	Total/NA	Solid	8021B	42016
880-22567-2	C-162 4'	Total/NA	Solid	8021B	42016
880-22567-3	C-163 4'	Total/NA	Solid	8021B	42016
880-22567-4	C-164 4'	Total/NA	Solid	8021B	42016
880-22567-5	C-165 4'	Total/NA	Solid	8021B	42016
880-22567-6	C-166 4'	Total/NA	Solid	8021B	42016
880-22567-7	C-167 4'	Total/NA	Solid	8021B	42016
MB 880-42016/5-A	Method Blank	Total/NA	Solid	8021B	42016
MB 880-42018/5-A	Method Blank	Total/NA	Solid	8021B	42018
LCS 880-42016/1-A	Lab Control Sample	Total/NA	Solid	8021B	42016
LCSD 880-42016/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42016

Prep Batch: 42016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-1	C-161 4'	Total/NA	Solid	5035	
880-22567-2	C-162 4'	Total/NA	Solid	5035	
880-22567-3	C-163 4'	Total/NA	Solid	5035	
880-22567-4	C-164 4'	Total/NA	Solid	5035	
880-22567-5	C-165 4'	Total/NA	Solid	5035	
880-22567-6	C-166 4'	Total/NA	Solid	5035	
880-22567-7	C-167 4'	Total/NA	Solid	5035	
MB 880-42016/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42016/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42016/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 42018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42018/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42019/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-8	C-168 4'	Total/NA	Solid	5035	
880-22567-9	C-169 4'	Total/NA	Solid	5035	
MB 880-42020/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42020/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42020/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 42181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-8	C-168 4'	Total/NA	Solid	8021B	42020
880-22567-9	C-169 4'	Total/NA	Solid	8021B	42020
MB 880-42019/5-A	Method Blank	Total/NA	Solid	8021B	42019
MB 880-42020/5-A	Method Blank	Total/NA	Solid	8021B	42020
LCS 880-42020/1-A	Lab Control Sample	Total/NA	Solid	8021B	42020
LCSD 880-42020/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42020

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

GC VOA

Analysis Batch: 42256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-1	C-161 4'	Total/NA	Solid	Total BTEX	
880-22567-2	C-162 4'	Total/NA	Solid	Total BTEX	
880-22567-3	C-163 4'	Total/NA	Solid	Total BTEX	
880-22567-4	C-164 4'	Total/NA	Solid	Total BTEX	
880-22567-5	C-165 4'	Total/NA	Solid	Total BTEX	
880-22567-6	C-166 4'	Total/NA	Solid	Total BTEX	
880-22567-7	C-167 4'	Total/NA	Solid	Total BTEX	
880-22567-8	C-168 4'	Total/NA	Solid	Total BTEX	
880-22567-9	C-169 4'	Total/NA	Solid	Total BTEX	
880-22567-10	C-170 4'	Total/NA	Solid	Total BTEX	
880-22567-11	C-171 4'	Total/NA	Solid	Total BTEX	
880-22567-12	C-173 4'	Total/NA	Solid	Total BTEX	
880-22567-13	C-174 4'	Total/NA	Solid	Total BTEX	
880-22567-14	C-175 4'	Total/NA	Solid	Total BTEX	
880-22567-15	C-176 4'	Total/NA	Solid	Total BTEX	
880-22567-16	C-177 4'	Total/NA	Solid	Total BTEX	
880-22567-17	C-178 4'	Total/NA	Solid	Total BTEX	
880-22567-18	SW-22 0-4	Total/NA	Solid	Total BTEX	
880-22567-19	SW-23 0-4	Total/NA	Solid	Total BTEX	
880-22567-20	C-181 2'	Total/NA	Solid	Total BTEX	
880-22567-21	C-182 2'	Total/NA	Solid	Total BTEX	
880-22567-22	C-183 2'	Total/NA	Solid	Total BTEX	
880-22567-23	C-184 2'	Total/NA	Solid	Total BTEX	
880-22567-24	C-185 2'	Total/NA	Solid	Total BTEX	
880-22567-25	C-186 2'	Total/NA	Solid	Total BTEX	
880-22567-26	C-187 2'	Total/NA	Solid	Total BTEX	
880-22567-27	C-189 2'	Total/NA	Solid	Total BTEX	
880-22567-28	C-192 2'	Total/NA	Solid	Total BTEX	
880-22567-29	C-193 2'	Total/NA	Solid	Total BTEX	
880-22567-30	C-194 2'	Total/NA	Solid	Total BTEX	
880-22567-31	C-195 2'	Total/NA	Solid	Total BTEX	
880-22567-32	C-197 2'	Total/NA	Solid	Total BTEX	
880-22567-33	C-198 2'	Total/NA	Solid	Total BTEX	
880-22567-34	C-199 2'	Total/NA	Solid	Total BTEX	
880-22567-35	C-66 10'	Total/NA	Solid	Total BTEX	
880-22567-36	C-67 10'	Total/NA	Solid	Total BTEX	
880-22567-37	C-77 10'	Total/NA	Solid	Total BTEX	

Prep Batch: 42329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-20	C-181 2'	Total/NA	Solid	5035	
880-22567-21	C-182 2'	Total/NA	Solid	5035	
880-22567-22	C-183 2'	Total/NA	Solid	5035	
880-22567-23	C-184 2'	Total/NA	Solid	5035	
880-22567-24	C-185 2'	Total/NA	Solid	5035	
880-22567-25	C-186 2'	Total/NA	Solid	5035	
880-22567-26	C-187 2'	Total/NA	Solid	5035	
880-22567-27	C-189 2'	Total/NA	Solid	5035	
880-22567-28	C-192 2'	Total/NA	Solid	5035	
880-22567-29	C-193 2'	Total/NA	Solid	5035	
MB 880-42329/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

GC VOA (Continued)

Prep Batch: 42329 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-42329/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42329/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22567-20 MS	C-181 2'	Total/NA	Solid	5035	
880-22567-20 MSD	C-181 2'	Total/NA	Solid	5035	

Analysis Batch: 42355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-10	C-170 4'	Total/NA	Solid	8021B	42356
880-22567-11	C-171 4'	Total/NA	Solid	8021B	42356
880-22567-12	C-173 4'	Total/NA	Solid	8021B	42356
880-22567-13	C-174 4'	Total/NA	Solid	8021B	42356
880-22567-14	C-175 4'	Total/NA	Solid	8021B	42356
880-22567-15	C-176 4'	Total/NA	Solid	8021B	42356
880-22567-16	C-177 4'	Total/NA	Solid	8021B	42356
880-22567-17	C-178 4'	Total/NA	Solid	8021B	42356
880-22567-18	SW-22 0-4	Total/NA	Solid	8021B	42356
880-22567-19	SW-23 0-4	Total/NA	Solid	8021B	42356
MB 880-42356/5-A	Method Blank	Total/NA	Solid	8021B	42356
LCS 880-42356/1-A	Lab Control Sample	Total/NA	Solid	8021B	42356
LCSD 880-42356/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42356
880-22567-10 MS	C-170 4'	Total/NA	Solid	8021B	42356
880-22567-10 MSD	C-170 4'	Total/NA	Solid	8021B	42356

Prep Batch: 42356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-10	C-170 4'	Total/NA	Solid	5035	
880-22567-11	C-171 4'	Total/NA	Solid	5035	
880-22567-12	C-173 4'	Total/NA	Solid	5035	
880-22567-13	C-174 4'	Total/NA	Solid	5035	
880-22567-14	C-175 4'	Total/NA	Solid	5035	
880-22567-15	C-176 4'	Total/NA	Solid	5035	
880-22567-16	C-177 4'	Total/NA	Solid	5035	
880-22567-17	C-178 4'	Total/NA	Solid	5035	
880-22567-18	SW-22 0-4	Total/NA	Solid	5035	
880-22567-19	SW-23 0-4	Total/NA	Solid	5035	
MB 880-42356/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42356/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42356/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22567-10 MS	C-170 4'	Total/NA	Solid	5035	
880-22567-10 MSD	C-170 4'	Total/NA	Solid	5035	

Analysis Batch: 42368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-20	C-181 2'	Total/NA	Solid	8021B	42329
880-22567-21	C-182 2'	Total/NA	Solid	8021B	42329
880-22567-22	C-183 2'	Total/NA	Solid	8021B	42329
880-22567-23	C-184 2'	Total/NA	Solid	8021B	42329
880-22567-24	C-185 2'	Total/NA	Solid	8021B	42329
880-22567-25	C-186 2'	Total/NA	Solid	8021B	42329
880-22567-26	C-187 2'	Total/NA	Solid	8021B	42329
880-22567-27	C-189 2'	Total/NA	Solid	8021B	42329

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 42368 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-28	C-192 2'	Total/NA	Solid	8021B	42329
880-22567-29	C-193 2'	Total/NA	Solid	8021B	42329
880-22567-30	C-194 2'	Total/NA	Solid	8021B	42379
880-22567-31	C-195 2'	Total/NA	Solid	8021B	42379
880-22567-32	C-197 2'	Total/NA	Solid	8021B	42379
880-22567-33	C-198 2'	Total/NA	Solid	8021B	42379
880-22567-34	C-199 2'	Total/NA	Solid	8021B	42379
880-22567-35	C-66 10'	Total/NA	Solid	8021B	42379
880-22567-36	C-67 10'	Total/NA	Solid	8021B	42379
880-22567-37	C-77 10'	Total/NA	Solid	8021B	42379
MB 880-42329/5-A	Method Blank	Total/NA	Solid	8021B	42329
MB 880-42368/39	Method Blank	Total/NA	Solid	8021B	
MB 880-42379/5-A	Method Blank	Total/NA	Solid	8021B	42379
LCS 880-42329/1-A	Lab Control Sample	Total/NA	Solid	8021B	42329
LCS 880-42379/1-A	Lab Control Sample	Total/NA	Solid	8021B	42379
LCSD 880-42329/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42329
LCSD 880-42379/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42379
880-22567-20 MS	C-181 2'	Total/NA	Solid	8021B	42329
880-22567-20 MSD	C-181 2'	Total/NA	Solid	8021B	42329
880-22567-30 MS	C-194 2'	Total/NA	Solid	8021B	42379
880-22567-30 MSD	C-194 2'	Total/NA	Solid	8021B	42379

Prep Batch: 42379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-30	C-194 2'	Total/NA	Solid	5035	
880-22567-31	C-195 2'	Total/NA	Solid	5035	
880-22567-32	C-197 2'	Total/NA	Solid	5035	
880-22567-33	C-198 2'	Total/NA	Solid	5035	
880-22567-34	C-199 2'	Total/NA	Solid	5035	
880-22567-35	C-66 10'	Total/NA	Solid	5035	
880-22567-36	C-67 10'	Total/NA	Solid	5035	
880-22567-37	C-77 10'	Total/NA	Solid	5035	
MB 880-42379/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42379/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42379/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22567-30 MS	C-194 2'	Total/NA	Solid	5035	
880-22567-30 MSD	C-194 2'	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 41561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-21	C-182 2'	Total/NA	Solid	8015B NM	41652
880-22567-22	C-183 2'	Total/NA	Solid	8015B NM	41652
880-22567-23	C-184 2'	Total/NA	Solid	8015B NM	41652
880-22567-24	C-185 2'	Total/NA	Solid	8015B NM	41652
880-22567-25	C-186 2'	Total/NA	Solid	8015B NM	41652
880-22567-26	C-187 2'	Total/NA	Solid	8015B NM	41652
880-22567-27	C-189 2'	Total/NA	Solid	8015B NM	41652
880-22567-28	C-192 2'	Total/NA	Solid	8015B NM	41652
880-22567-29	C-193 2'	Total/NA	Solid	8015B NM	41652

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Analysis Batch: 41561 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-30	C-194 2'	Total/NA	Solid	8015B NM	41652
880-22567-31	C-195 2'	Total/NA	Solid	8015B NM	41652
880-22567-32	C-197 2'	Total/NA	Solid	8015B NM	41652
880-22567-33	C-198 2'	Total/NA	Solid	8015B NM	41652
880-22567-34	C-199 2'	Total/NA	Solid	8015B NM	41652
880-22567-35	C-66 10'	Total/NA	Solid	8015B NM	41652
880-22567-36	C-67 10'	Total/NA	Solid	8015B NM	41652
880-22567-37	C-77 10'	Total/NA	Solid	8015B NM	41652
MB 880-41652/1-A	Method Blank	Total/NA	Solid	8015B NM	41652
LCS 880-41652/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41652
LCSD 880-41652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41652
880-22567-21 MS	C-182 2'	Total/NA	Solid	8015B NM	41652
880-22567-21 MSD	C-182 2'	Total/NA	Solid	8015B NM	41652

Prep Batch: 41651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-1	C-161 4'	Total/NA	Solid	8015NM Prep	
880-22567-2	C-162 4'	Total/NA	Solid	8015NM Prep	
880-22567-3	C-163 4'	Total/NA	Solid	8015NM Prep	
880-22567-4	C-164 4'	Total/NA	Solid	8015NM Prep	
880-22567-5	C-165 4'	Total/NA	Solid	8015NM Prep	
880-22567-6	C-166 4'	Total/NA	Solid	8015NM Prep	
880-22567-7	C-167 4'	Total/NA	Solid	8015NM Prep	
880-22567-8	C-168 4'	Total/NA	Solid	8015NM Prep	
880-22567-9	C-169 4'	Total/NA	Solid	8015NM Prep	
880-22567-10	C-170 4'	Total/NA	Solid	8015NM Prep	
880-22567-11	C-171 4'	Total/NA	Solid	8015NM Prep	
880-22567-12	C-173 4'	Total/NA	Solid	8015NM Prep	
880-22567-13	C-174 4'	Total/NA	Solid	8015NM Prep	
880-22567-14	C-175 4'	Total/NA	Solid	8015NM Prep	
880-22567-15	C-176 4'	Total/NA	Solid	8015NM Prep	
880-22567-16	C-177 4'	Total/NA	Solid	8015NM Prep	
880-22567-17	C-178 4'	Total/NA	Solid	8015NM Prep	
880-22567-18	SW-22 0-4	Total/NA	Solid	8015NM Prep	
880-22567-19	SW-23 0-4	Total/NA	Solid	8015NM Prep	
880-22567-20	C-181 2'	Total/NA	Solid	8015NM Prep	
MB 880-41651/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41651/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22567-1 MS	C-161 4'	Total/NA	Solid	8015NM Prep	
880-22567-1 MSD	C-161 4'	Total/NA	Solid	8015NM Prep	

Prep Batch: 41652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-21	C-182 2'	Total/NA	Solid	8015NM Prep	
880-22567-22	C-183 2'	Total/NA	Solid	8015NM Prep	
880-22567-23	C-184 2'	Total/NA	Solid	8015NM Prep	
880-22567-24	C-185 2'	Total/NA	Solid	8015NM Prep	
880-22567-25	C-186 2'	Total/NA	Solid	8015NM Prep	
880-22567-26	C-187 2'	Total/NA	Solid	8015NM Prep	
880-22567-27	C-189 2'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Prep Batch: 41652 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-28	C-192 2'	Total/NA	Solid	8015NM Prep	
880-22567-29	C-193 2'	Total/NA	Solid	8015NM Prep	
880-22567-30	C-194 2'	Total/NA	Solid	8015NM Prep	
880-22567-31	C-195 2'	Total/NA	Solid	8015NM Prep	
880-22567-32	C-197 2'	Total/NA	Solid	8015NM Prep	
880-22567-33	C-198 2'	Total/NA	Solid	8015NM Prep	
880-22567-34	C-199 2'	Total/NA	Solid	8015NM Prep	
880-22567-35	C-66 10'	Total/NA	Solid	8015NM Prep	
880-22567-36	C-67 10'	Total/NA	Solid	8015NM Prep	
880-22567-37	C-77 10'	Total/NA	Solid	8015NM Prep	
MB 880-41652/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41652/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22567-21 MS	C-182 2'	Total/NA	Solid	8015NM Prep	
880-22567-21 MSD	C-182 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-1	C-161 4'	Total/NA	Solid	8015B NM	41651
880-22567-2	C-162 4'	Total/NA	Solid	8015B NM	41651
880-22567-3	C-163 4'	Total/NA	Solid	8015B NM	41651
880-22567-4	C-164 4'	Total/NA	Solid	8015B NM	41651
880-22567-5	C-165 4'	Total/NA	Solid	8015B NM	41651
880-22567-6	C-166 4'	Total/NA	Solid	8015B NM	41651
880-22567-7	C-167 4'	Total/NA	Solid	8015B NM	41651
880-22567-8	C-168 4'	Total/NA	Solid	8015B NM	41651
880-22567-9	C-169 4'	Total/NA	Solid	8015B NM	41651
880-22567-10	C-170 4'	Total/NA	Solid	8015B NM	41651
880-22567-11	C-171 4'	Total/NA	Solid	8015B NM	41651
880-22567-12	C-173 4'	Total/NA	Solid	8015B NM	41651
880-22567-13	C-174 4'	Total/NA	Solid	8015B NM	41651
880-22567-14	C-175 4'	Total/NA	Solid	8015B NM	41651
880-22567-15	C-176 4'	Total/NA	Solid	8015B NM	41651
880-22567-16	C-177 4'	Total/NA	Solid	8015B NM	41651
880-22567-17	C-178 4'	Total/NA	Solid	8015B NM	41651
880-22567-18	SW-22 0-4	Total/NA	Solid	8015B NM	41651
880-22567-19	SW-23 0-4	Total/NA	Solid	8015B NM	41651
880-22567-20	C-181 2'	Total/NA	Solid	8015B NM	41651
MB 880-41651/1-A	Method Blank	Total/NA	Solid	8015B NM	41651
LCS 880-41651/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41651
LCSD 880-41651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41651
880-22567-1 MS	C-161 4'	Total/NA	Solid	8015B NM	41651
880-22567-1 MSD	C-161 4'	Total/NA	Solid	8015B NM	41651

Analysis Batch: 41711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-1	C-161 4'	Total/NA	Solid	8015 NM	
880-22567-2	C-162 4'	Total/NA	Solid	8015 NM	
880-22567-3	C-163 4'	Total/NA	Solid	8015 NM	
880-22567-4	C-164 4'	Total/NA	Solid	8015 NM	
880-22567-5	C-165 4'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Analysis Batch: 41711 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-6	C-166 4'	Total/NA	Solid	8015 NM	
880-22567-7	C-167 4'	Total/NA	Solid	8015 NM	
880-22567-8	C-168 4'	Total/NA	Solid	8015 NM	
880-22567-9	C-169 4'	Total/NA	Solid	8015 NM	
880-22567-10	C-170 4'	Total/NA	Solid	8015 NM	
880-22567-11	C-171 4'	Total/NA	Solid	8015 NM	
880-22567-12	C-173 4'	Total/NA	Solid	8015 NM	
880-22567-13	C-174 4'	Total/NA	Solid	8015 NM	
880-22567-14	C-175 4'	Total/NA	Solid	8015 NM	
880-22567-15	C-176 4'	Total/NA	Solid	8015 NM	
880-22567-16	C-177 4'	Total/NA	Solid	8015 NM	
880-22567-17	C-178 4'	Total/NA	Solid	8015 NM	
880-22567-18	SW-22 0-4	Total/NA	Solid	8015 NM	
880-22567-19	SW-23 0-4	Total/NA	Solid	8015 NM	
880-22567-20	C-181 2'	Total/NA	Solid	8015 NM	
880-22567-21	C-182 2'	Total/NA	Solid	8015 NM	
880-22567-22	C-183 2'	Total/NA	Solid	8015 NM	
880-22567-23	C-184 2'	Total/NA	Solid	8015 NM	
880-22567-24	C-185 2'	Total/NA	Solid	8015 NM	
880-22567-25	C-186 2'	Total/NA	Solid	8015 NM	
880-22567-26	C-187 2'	Total/NA	Solid	8015 NM	
880-22567-27	C-189 2'	Total/NA	Solid	8015 NM	
880-22567-28	C-192 2'	Total/NA	Solid	8015 NM	
880-22567-29	C-193 2'	Total/NA	Solid	8015 NM	
880-22567-30	C-194 2'	Total/NA	Solid	8015 NM	
880-22567-31	C-195 2'	Total/NA	Solid	8015 NM	
880-22567-32	C-197 2'	Total/NA	Solid	8015 NM	
880-22567-33	C-198 2'	Total/NA	Solid	8015 NM	
880-22567-34	C-199 2'	Total/NA	Solid	8015 NM	
880-22567-35	C-66 10'	Total/NA	Solid	8015 NM	
880-22567-36	C-67 10'	Total/NA	Solid	8015 NM	
880-22567-37	C-77 10'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 41500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-1	C-161 4'	Soluble	Solid	DI Leach	
880-22567-2	C-162 4'	Soluble	Solid	DI Leach	
880-22567-3	C-163 4'	Soluble	Solid	DI Leach	
880-22567-4	C-164 4'	Soluble	Solid	DI Leach	
880-22567-5	C-165 4'	Soluble	Solid	DI Leach	
880-22567-6	C-166 4'	Soluble	Solid	DI Leach	
880-22567-7	C-167 4'	Soluble	Solid	DI Leach	
880-22567-8	C-168 4'	Soluble	Solid	DI Leach	
880-22567-9	C-169 4'	Soluble	Solid	DI Leach	
880-22567-10	C-170 4'	Soluble	Solid	DI Leach	
880-22567-11	C-171 4'	Soluble	Solid	DI Leach	
880-22567-12	C-173 4'	Soluble	Solid	DI Leach	
880-22567-13	C-174 4'	Soluble	Solid	DI Leach	
880-22567-14	C-175 4'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

HPLC/IC (Continued)

Leach Batch: 41500 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-15	C-176 4'	Soluble	Solid	DI Leach	
880-22567-16	C-177 4'	Soluble	Solid	DI Leach	
880-22567-17	C-178 4'	Soluble	Solid	DI Leach	
880-22567-18	SW-22 0-4	Soluble	Solid	DI Leach	
880-22567-19	SW-23 0-4	Soluble	Solid	DI Leach	
880-22567-20	C-181 2'	Soluble	Solid	DI Leach	
MB 880-41500/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41500/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41500/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22567-1 MS	C-161 4'	Soluble	Solid	DI Leach	
880-22567-1 MSD	C-161 4'	Soluble	Solid	DI Leach	
880-22567-11 MS	C-171 4'	Soluble	Solid	DI Leach	
880-22567-11 MSD	C-171 4'	Soluble	Solid	DI Leach	

Leach Batch: 41501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-21	C-182 2'	Soluble	Solid	DI Leach	
880-22567-22	C-183 2'	Soluble	Solid	DI Leach	
880-22567-23	C-184 2'	Soluble	Solid	DI Leach	
880-22567-24	C-185 2'	Soluble	Solid	DI Leach	
880-22567-25	C-186 2'	Soluble	Solid	DI Leach	
880-22567-26	C-187 2'	Soluble	Solid	DI Leach	
880-22567-27	C-189 2'	Soluble	Solid	DI Leach	
880-22567-28	C-192 2'	Soluble	Solid	DI Leach	
880-22567-29	C-193 2'	Soluble	Solid	DI Leach	
880-22567-30	C-194 2'	Soluble	Solid	DI Leach	
880-22567-31	C-195 2'	Soluble	Solid	DI Leach	
880-22567-32	C-197 2'	Soluble	Solid	DI Leach	
880-22567-33	C-198 2'	Soluble	Solid	DI Leach	
880-22567-34	C-199 2'	Soluble	Solid	DI Leach	
880-22567-35	C-66 10'	Soluble	Solid	DI Leach	
880-22567-36	C-67 10'	Soluble	Solid	DI Leach	
880-22567-37	C-77 10'	Soluble	Solid	DI Leach	
MB 880-41501/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41501/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41501/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22567-21 MS	C-182 2'	Soluble	Solid	DI Leach	
880-22567-21 MSD	C-182 2'	Soluble	Solid	DI Leach	
880-22567-31 MS	C-195 2'	Soluble	Solid	DI Leach	
880-22567-31 MSD	C-195 2'	Soluble	Solid	DI Leach	

Analysis Batch: 42062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-21	C-182 2'	Soluble	Solid	300.0	41501
880-22567-22	C-183 2'	Soluble	Solid	300.0	41501
880-22567-23	C-184 2'	Soluble	Solid	300.0	41501
880-22567-24	C-185 2'	Soluble	Solid	300.0	41501
880-22567-25	C-186 2'	Soluble	Solid	300.0	41501
880-22567-26	C-187 2'	Soluble	Solid	300.0	41501
880-22567-27	C-189 2'	Soluble	Solid	300.0	41501
880-22567-28	C-192 2'	Soluble	Solid	300.0	41501

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

HPLC/IC (Continued)

Analysis Batch: 42062 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-29	C-193 2'	Soluble	Solid	300.0	41501
880-22567-30	C-194 2'	Soluble	Solid	300.0	41501
880-22567-31	C-195 2'	Soluble	Solid	300.0	41501
880-22567-32	C-197 2'	Soluble	Solid	300.0	41501
880-22567-33	C-198 2'	Soluble	Solid	300.0	41501
880-22567-34	C-199 2'	Soluble	Solid	300.0	41501
880-22567-35	C-66 10'	Soluble	Solid	300.0	41501
880-22567-36	C-67 10'	Soluble	Solid	300.0	41501
880-22567-37	C-77 10'	Soluble	Solid	300.0	41501
MB 880-41501/1-A	Method Blank	Soluble	Solid	300.0	41501
LCS 880-41501/2-A	Lab Control Sample	Soluble	Solid	300.0	41501
LCSD 880-41501/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41501
880-22567-21 MS	C-182 2'	Soluble	Solid	300.0	41501
880-22567-21 MSD	C-182 2'	Soluble	Solid	300.0	41501
880-22567-31 MS	C-195 2'	Soluble	Solid	300.0	41501
880-22567-31 MSD	C-195 2'	Soluble	Solid	300.0	41501

Analysis Batch: 42163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22567-1	C-161 4'	Soluble	Solid	300.0	41500
880-22567-2	C-162 4'	Soluble	Solid	300.0	41500
880-22567-3	C-163 4'	Soluble	Solid	300.0	41500
880-22567-4	C-164 4'	Soluble	Solid	300.0	41500
880-22567-5	C-165 4'	Soluble	Solid	300.0	41500
880-22567-6	C-166 4'	Soluble	Solid	300.0	41500
880-22567-7	C-167 4'	Soluble	Solid	300.0	41500
880-22567-8	C-168 4'	Soluble	Solid	300.0	41500
880-22567-9	C-169 4'	Soluble	Solid	300.0	41500
880-22567-10	C-170 4'	Soluble	Solid	300.0	41500
880-22567-11	C-171 4'	Soluble	Solid	300.0	41500
880-22567-12	C-173 4'	Soluble	Solid	300.0	41500
880-22567-13	C-174 4'	Soluble	Solid	300.0	41500
880-22567-14	C-175 4'	Soluble	Solid	300.0	41500
880-22567-15	C-176 4'	Soluble	Solid	300.0	41500
880-22567-16	C-177 4'	Soluble	Solid	300.0	41500
880-22567-17	C-178 4'	Soluble	Solid	300.0	41500
880-22567-18	SW-22 0-4	Soluble	Solid	300.0	41500
880-22567-19	SW-23 0-4	Soluble	Solid	300.0	41500
880-22567-20	C-181 2'	Soluble	Solid	300.0	41500
MB 880-41500/1-A	Method Blank	Soluble	Solid	300.0	41500
LCS 880-41500/2-A	Lab Control Sample	Soluble	Solid	300.0	41500
LCSD 880-41500/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41500
880-22567-1 MS	C-161 4'	Soluble	Solid	300.0	41500
880-22567-1 MSD	C-161 4'	Soluble	Solid	300.0	41500
880-22567-11 MS	C-171 4'	Soluble	Solid	300.0	41500
880-22567-11 MSD	C-171 4'	Soluble	Solid	300.0	41500

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-161 4'

Lab Sample ID: 880-22567-1

Date Collected: 12/06/22 08:10

Matrix: Solid

Date Received: 12/09/22 15:51

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	42016	12/16/22 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/19/22 07:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/19/22 16:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 10:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 02:17	CH	EET MID

Client Sample ID: C-162 4'

Lab Sample ID: 880-22567-2

Date Collected: 12/06/22 08:20

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42016	12/16/22 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/19/22 07:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/19/22 16:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 12:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 02:30	CH	EET MID

Client Sample ID: C-163 4'

Lab Sample ID: 880-22567-3

Date Collected: 12/06/22 08:30

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42016	12/16/22 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/19/22 07:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/19/22 16:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 12:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 02:34	CH	EET MID

Client Sample ID: C-164 4'

Lab Sample ID: 880-22567-4

Date Collected: 12/06/22 08:45

Matrix: Solid

Date Received: 12/09/22 15:51

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	42016	12/16/22 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/19/22 08:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/19/22 16:21	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-164 4'

Lab Sample ID: 880-22567-4

Date Collected: 12/06/22 08:45

Matrix: Solid

Date Received: 12/09/22 15:51

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			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 12:48	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 02:39	CH	EET MID

Client Sample ID: C-165 4'

Lab Sample ID: 880-22567-5

Date Collected: 12/06/22 09:00

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42016	12/16/22 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/19/22 08:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/19/22 16:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 13:10	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 02:43	CH	EET MID

Client Sample ID: C-166 4'

Lab Sample ID: 880-22567-6

Date Collected: 12/06/22 09:15

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42016	12/16/22 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/19/22 09:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/19/22 16:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 13:32	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 14:28	CH	EET MID

Client Sample ID: C-167 4'

Lab Sample ID: 880-22567-7

Date Collected: 12/06/22 11:00

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42016	12/16/22 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/19/22 10:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/19/22 16:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 13:54	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-167 4'

Lab Sample ID: 880-22567-7

Date Collected: 12/06/22 11:00

Matrix: Solid

Date Received: 12/09/22 15:51

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	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 14:33	CH	EET MID

Client Sample ID: C-168 4'

Lab Sample ID: 880-22567-8

Date Collected: 12/06/22 11:10

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42020	12/16/22 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/21/22 00:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 14:15	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 14:37	CH	EET MID

Client Sample ID: C-169 4'

Lab Sample ID: 880-22567-9

Date Collected: 12/06/22 11:20

Matrix: Solid

Date Received: 12/09/22 15:51

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	42020	12/16/22 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/21/22 00:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 14:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 14:42	CH	EET MID

Client Sample ID: C-170 4'

Lab Sample ID: 880-22567-10

Date Collected: 12/06/22 11:35

Matrix: Solid

Date Received: 12/09/22 15:51

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	42356	12/20/22 21:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42355	12/21/22 00:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 15:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 03:14	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-171 4'

Lab Sample ID: 880-22567-11

Date Collected: 12/06/22 11:45

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42356	12/20/22 21:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42355	12/21/22 00:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 15:44	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 03:19	CH	EET MID

Client Sample ID: C-173 4'

Lab Sample ID: 880-22567-12

Date Collected: 12/06/22 13:40

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42356	12/20/22 21:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42355	12/21/22 00:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 16:06	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 03:32	CH	EET MID

Client Sample ID: C-174 4'

Lab Sample ID: 880-22567-13

Date Collected: 12/06/22 13:50

Matrix: Solid

Date Received: 12/09/22 15:51

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	42356	12/20/22 21:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42355	12/21/22 01:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 16:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 14:46	CH	EET MID

Client Sample ID: C-175 4'

Lab Sample ID: 880-22567-14

Date Collected: 12/06/22 14:00

Matrix: Solid

Date Received: 12/09/22 15:51

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	42356	12/20/22 21:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42355	12/21/22 01:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-175 4'

Lab Sample ID: 880-22567-14

Date Collected: 12/06/22 14:00

Matrix: Solid

Date Received: 12/09/22 15:51

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			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 16:51	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 14:50	CH	EET MID

Client Sample ID: C-176 4'

Lab Sample ID: 880-22567-15

Date Collected: 12/06/22 14:10

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42356	12/20/22 21:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42355	12/21/22 01:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 17:13	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 03:54	CH	EET MID

Client Sample ID: C-177 4'

Lab Sample ID: 880-22567-16

Date Collected: 12/06/22 14:20

Matrix: Solid

Date Received: 12/09/22 15:51

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	42356	12/20/22 21:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42355	12/21/22 02:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 17:36	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 03:59	CH	EET MID

Client Sample ID: C-178 4'

Lab Sample ID: 880-22567-17

Date Collected: 12/06/22 14:30

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42356	12/20/22 21:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42355	12/21/22 02:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 17:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-178 4'

Lab Sample ID: 880-22567-17

Date Collected: 12/06/22 14:30

Matrix: Solid

Date Received: 12/09/22 15:51

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	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 04:03	CH	EET MID

Client Sample ID: SW-22 0-4

Lab Sample ID: 880-22567-18

Date Collected: 12/06/22 15:00

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42356	12/20/22 21:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42355	12/21/22 02:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 18:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	42163	12/20/22 04:08	CH	EET MID

Client Sample ID: SW-23 0-4

Lab Sample ID: 880-22567-19

Date Collected: 12/06/22 15:26

Matrix: Solid

Date Received: 12/09/22 15:51

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	42356	12/20/22 21:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42355	12/21/22 03:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 18:44	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 04:12	CH	EET MID

Client Sample ID: C-181 2'

Lab Sample ID: 880-22567-20

Date Collected: 12/07/22 08:40

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42329	12/20/22 15:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/21/22 11:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/14/22 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41651	12/12/22 13:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41695	12/13/22 19:06	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41500	12/09/22 16:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42163	12/20/22 04:17	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-182 2'

Lab Sample ID: 880-22567-21

Date Collected: 12/07/22 08:50

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42329	12/20/22 15:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/21/22 12:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/12/22 20:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/19/22 23:41	CH	EET MID

Client Sample ID: C-183 2'

Lab Sample ID: 880-22567-22

Date Collected: 12/07/22 09:00

Matrix: Solid

Date Received: 12/09/22 15:51

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	42329	12/20/22 15:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/21/22 12:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/12/22 21:42	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/19/22 23:54	CH	EET MID

Client Sample ID: C-184 2'

Lab Sample ID: 880-22567-23

Date Collected: 12/07/22 09:10

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42329	12/20/22 15:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/21/22 12:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/12/22 22:03	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/19/22 23:59	CH	EET MID

Client Sample ID: C-185 2'

Lab Sample ID: 880-22567-24

Date Collected: 12/07/22 09:25

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42329	12/20/22 15:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/21/22 18:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/22/22 08:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-185 2'

Lab Sample ID: 880-22567-24

Date Collected: 12/07/22 09:25

Matrix: Solid

Date Received: 12/09/22 15:51

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			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/12/22 22:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 00:03	CH	EET MID

Client Sample ID: C-186 2'

Lab Sample ID: 880-22567-25

Date Collected: 12/07/22 09:35

Matrix: Solid

Date Received: 12/09/22 15:51

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	42329	12/20/22 15:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/21/22 13:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/12/22 22:45	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 00:08	CH	EET MID

Client Sample ID: C-187 2'

Lab Sample ID: 880-22567-26

Date Collected: 12/07/22 09:45

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42329	12/20/22 15:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/21/22 13:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/12/22 23:06	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 00:21	CH	EET MID

Client Sample ID: C-189 2'

Lab Sample ID: 880-22567-27

Date Collected: 12/07/22 12:30

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42329	12/20/22 15:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/21/22 14:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/12/22 23:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-189 2'

Lab Sample ID: 880-22567-27

Date Collected: 12/07/22 12:30

Matrix: Solid

Date Received: 12/09/22 15:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 00:25	CH	EET MID

Client Sample ID: C-192 2'

Lab Sample ID: 880-22567-28

Date Collected: 12/07/22 13:05

Matrix: Solid

Date Received: 12/09/22 15:51

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	42329	12/20/22 15:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/21/22 14:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 15:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/12/22 23:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 00:30	CH	EET MID

Client Sample ID: C-193 2'

Lab Sample ID: 880-22567-29

Date Collected: 12/07/22 13:20

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42329	12/20/22 15:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/21/22 14:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/21/22 15:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/13/22 00:08	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 00:34	CH	EET MID

Client Sample ID: C-194 2'

Lab Sample ID: 880-22567-30

Date Collected: 12/08/22 07:50

Matrix: Solid

Date Received: 12/09/22 15:51

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	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 12:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/22/22 15:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/13/22 00:29	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 00:39	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-195 2'

Lab Sample ID: 880-22567-31

Date Collected: 12/08/22 08:05

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 13:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/22/22 15:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/13/22 01:10	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 00:43	CH	EET MID

Client Sample ID: C-197 2'

Lab Sample ID: 880-22567-32

Date Collected: 12/08/22 08:25

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 13:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/22/22 15:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/13/22 01:32	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 00:57	CH	EET MID

Client Sample ID: C-198 2'

Lab Sample ID: 880-22567-33

Date Collected: 12/08/22 08:35

Matrix: Solid

Date Received: 12/09/22 15:51

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	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 13:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/22/22 15:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/13/22 01:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 01:01	CH	EET MID

Client Sample ID: C-199 2'

Lab Sample ID: 880-22567-34

Date Collected: 12/08/22 08:45

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 14:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/22/22 15:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-199 2'

Lab Sample ID: 880-22567-34

Date Collected: 12/08/22 08:45

Matrix: Solid

Date Received: 12/09/22 15:51

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			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/13/22 02:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 01:14	CH	EET MID

Client Sample ID: C-66 10'

Lab Sample ID: 880-22567-35

Date Collected: 12/08/22 14:45

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 14:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/22/22 15:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/13/22 02:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 01:19	CH	EET MID

Client Sample ID: C-67 10'

Lab Sample ID: 880-22567-36

Date Collected: 12/08/22 14:55

Matrix: Solid

Date Received: 12/09/22 15:51

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	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 14:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/22/22 15:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/13/22 02:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 01:23	CH	EET MID

Client Sample ID: C-77 10'

Lab Sample ID: 880-22567-37

Date Collected: 12/08/22 15:05

Matrix: Solid

Date Received: 12/09/22 15:51

Prep 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	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 15:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42256	12/22/22 15:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			41711	12/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41652	12/12/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41561	12/13/22 03:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Client Sample ID: C-77 10'
Date Collected: 12/08/22 15:05
Date Received: 12/09/22 15:51

Lab Sample ID: 880-22567-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	41501	12/09/22 16:22	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42062	12/20/22 01:28	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: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

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: Hay Hurst Pond 2

Job ID: 880-22567-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22567-1	C-161 4'	Solid	12/06/22 08:10	12/09/22 15:51
880-22567-2	C-162 4'	Solid	12/06/22 08:20	12/09/22 15:51
880-22567-3	C-163 4'	Solid	12/06/22 08:30	12/09/22 15:51
880-22567-4	C-164 4'	Solid	12/06/22 08:45	12/09/22 15:51
880-22567-5	C-165 4'	Solid	12/06/22 09:00	12/09/22 15:51
880-22567-6	C-166 4'	Solid	12/06/22 09:15	12/09/22 15:51
880-22567-7	C-167 4'	Solid	12/06/22 11:00	12/09/22 15:51
880-22567-8	C-168 4'	Solid	12/06/22 11:10	12/09/22 15:51
880-22567-9	C-169 4'	Solid	12/06/22 11:20	12/09/22 15:51
880-22567-10	C-170 4'	Solid	12/06/22 11:35	12/09/22 15:51
880-22567-11	C-171 4'	Solid	12/06/22 11:45	12/09/22 15:51
880-22567-12	C-173 4'	Solid	12/06/22 13:40	12/09/22 15:51
880-22567-13	C-174 4'	Solid	12/06/22 13:50	12/09/22 15:51
880-22567-14	C-175 4'	Solid	12/06/22 14:00	12/09/22 15:51
880-22567-15	C-176 4'	Solid	12/06/22 14:10	12/09/22 15:51
880-22567-16	C-177 4'	Solid	12/06/22 14:20	12/09/22 15:51
880-22567-17	C-178 4'	Solid	12/06/22 14:30	12/09/22 15:51
880-22567-18	SW-22 0-4	Solid	12/06/22 15:00	12/09/22 15:51
880-22567-19	SW-23 0-4	Solid	12/06/22 15:26	12/09/22 15:51
880-22567-20	C-181 2'	Solid	12/07/22 08:40	12/09/22 15:51
880-22567-21	C-182 2'	Solid	12/07/22 08:50	12/09/22 15:51
880-22567-22	C-183 2'	Solid	12/07/22 09:00	12/09/22 15:51
880-22567-23	C-184 2'	Solid	12/07/22 09:10	12/09/22 15:51
880-22567-24	C-185 2'	Solid	12/07/22 09:25	12/09/22 15:51
880-22567-25	C-186 2'	Solid	12/07/22 09:35	12/09/22 15:51
880-22567-26	C-187 2'	Solid	12/07/22 09:45	12/09/22 15:51
880-22567-27	C-189 2'	Solid	12/07/22 12:30	12/09/22 15:51
880-22567-28	C-192 2'	Solid	12/07/22 13:05	12/09/22 15:51
880-22567-29	C-193 2'	Solid	12/07/22 13:20	12/09/22 15:51
880-22567-30	C-194 2'	Solid	12/08/22 07:50	12/09/22 15:51
880-22567-31	C-195 2'	Solid	12/08/22 08:05	12/09/22 15:51
880-22567-32	C-197 2'	Solid	12/08/22 08:25	12/09/22 15:51
880-22567-33	C-198 2'	Solid	12/08/22 08:35	12/09/22 15:51
880-22567-34	C-199 2'	Solid	12/08/22 08:45	12/09/22 15:51
880-22567-35	C-66 10'	Solid	12/08/22 14:45	12/09/22 15:51
880-22567-36	C-67 10'	Solid	12/08/22 14:55	12/09/22 15:51
880-22567-37	C-77 10'	Solid	12/08/22 15:05	12/09/22 15:51

22567 No. 2836

No. 2836

CHAIN-OF-CUSTODY

[illegible]

No. 2838

No. 2838

CHAIN-OF-CUSTODY

[illegible]

No. 2839

1975

Rel

CHAIN-OF-CUSTODY

DATE 12/9/22 PAGE 3 OF 3

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME	
HAYHURST ponds 2	

LA PROJECT # 22-0107-01 COLLECTOR SIBBATES

507 N. Marienfeld, Ste. 202
Midland, TX 79701
432-687-0901

Laarson & 
associates, Inc.
Environmental Consultants

Data Reported to

[illegible]

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	TURN AROUND TIME	LABORATORY USE ONLY:
<i>[Signature]</i>	12/18/2021	<i>[Signature]</i>	NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐	RECEIVING TEMP <u>2.1/18</u> THERM# <u>12-8</u> CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # _____ ☐ HAND DELIVERED _____
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)		
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)		
LABORATORY <i>[Signature]</i>				

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Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-22567-1

SDG Number: 22-0107-01

Login Number: 22567

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

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JOB DESCRIPTION

Hay Hurst Pond 2
SDG NUMBER 22-0107-01

JOB NUMBER

880-22623-1

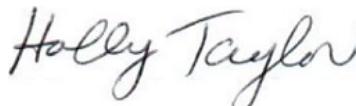
Eurofins Midland
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Job Notes

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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Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Laboratory Job ID: 880-22623-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Job ID: 880-22623-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-22623-1****Receipt**

The samples were received on 12/13/2022 9:28 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

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-200 4' (880-22623-1), C-201 4' (880-22623-2), C-202 4' (880-22623-3), C-203 4' (880-22623-4) and C-205 4' (880-22623-5).

GC VOA

Method 8021B: The following samples were analyzed outside of analytical holding time due to instrument failure: C-200 4' (880-22623-1) and C-201 4' (880-22623-2).

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 880-41843 and analytical batch 880-42078 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-41843/2-A) and (LCSD 880-41843/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-201 4' (880-22623-2), C-202 4' (880-22623-3) and C-203 4' (880-22623-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-41843 and analytical batch 880-42078 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-41929 and analytical batch 880-42327 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: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Client Sample ID: C-200 4'

Lab Sample ID: 880-22623-1

Date Collected: 12/08/22 13:00

Matrix: Solid

Date Received: 12/13/22 09:28

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U H	0.00198	mg/Kg		12/22/22 09:05	12/23/22 11:58	1
Toluene	<0.00198	U H	0.00198	mg/Kg		12/22/22 09:05	12/23/22 11:58	1
Ethylbenzene	<0.00198	U H	0.00198	mg/Kg		12/22/22 09:05	12/23/22 11:58	1
m,p-Xylenes	<0.00396	U H	0.00396	mg/Kg		12/22/22 09:05	12/23/22 11:58	1
o-Xylene	<0.00198	U H	0.00198	mg/Kg		12/22/22 09:05	12/23/22 11:58	1
Xylenes, Total	<0.00396	U H	0.00396	mg/Kg		12/22/22 09:05	12/23/22 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/22/22 09:05	12/23/22 11:58	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/22/22 09:05	12/23/22 11:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			12/23/22 17:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/19/22 15:35	1

Method: 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		12/14/22 15:35	12/17/22 11:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/22 15:35	12/17/22 11:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/14/22 15:35	12/17/22 11:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130	12/14/22 15:35	12/17/22 11:39	1
o-Terphenyl (Surr)	125		70 - 130	12/14/22 15:35	12/17/22 11:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.8	F1	5.05	mg/Kg			12/21/22 04:47	1

Client Sample ID: C-201 4'

Lab Sample ID: 880-22623-2

Date Collected: 12/08/22 13:10

Matrix: Solid

Date Received: 12/13/22 09:28

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U H	0.00201	mg/Kg		12/22/22 09:05	12/23/22 12:19	1
Toluene	<0.00201	U H	0.00201	mg/Kg		12/22/22 09:05	12/23/22 12:19	1
Ethylbenzene	<0.00201	U H	0.00201	mg/Kg		12/22/22 09:05	12/23/22 12:19	1
m,p-Xylenes	<0.00402	U H	0.00402	mg/Kg		12/22/22 09:05	12/23/22 12:19	1
o-Xylene	<0.00201	U H	0.00201	mg/Kg		12/22/22 09:05	12/23/22 12:19	1
Xylenes, Total	<0.00402	U H	0.00402	mg/Kg		12/22/22 09:05	12/23/22 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/22/22 09:05	12/23/22 12:19	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/22/22 09:05	12/23/22 12:19	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Client Sample ID: C-201 4'

Lab Sample ID: 880-22623-2

Date Collected: 12/08/22 13:10

Matrix: Solid

Date Received: 12/13/22 09:28

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			12/23/22 17:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/19/22 15:35	1

Method: 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		12/14/22 15:35	12/17/22 12:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/14/22 15:35	12/17/22 12:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/14/22 15:35	12/17/22 12:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			12/14/22 15:35	12/17/22 12:46	1
o-Terphenyl (Surr)	132	S1+	70 - 130			12/14/22 15:35	12/17/22 12:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.97	mg/Kg			12/21/22 05:10	1

Client Sample ID: C-202 4'

Lab Sample ID: 880-22623-3

Date Collected: 12/08/22 13:20

Matrix: Solid

Date Received: 12/13/22 09:28

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		12/21/22 09:42	12/22/22 20:25	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/21/22 09:42	12/22/22 20:25	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/21/22 09:42	12/22/22 20:25	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/21/22 09:42	12/22/22 20:25	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/21/22 09:42	12/22/22 20:25	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/21/22 09:42	12/22/22 20:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			12/21/22 09:42	12/22/22 20:25	1
1,4-Difluorobenzene (Surr)	107		70 - 130			12/21/22 09:42	12/22/22 20:25	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			12/23/22 08:54	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			12/19/22 15:35	1

Method: 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		12/14/22 15:35	12/17/22 13:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/14/22 15:35	12/17/22 13:08	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Client Sample ID: C-202 4'

Lab Sample ID: 880-22623-3

Date Collected: 12/08/22 13:20

Matrix: Solid

Date Received: 12/13/22 09:28

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		12/14/22 15:35	12/17/22 13:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	132	S1+	70 - 130			12/14/22 15:35	12/17/22 13:08	1
o-Terphenyl (Surr)	147	S1+	70 - 130			12/14/22 15:35	12/17/22 13:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	348		5.00	mg/Kg			12/21/22 05:18	1

Client Sample ID: C-203 4'

Lab Sample ID: 880-22623-4

Date Collected: 12/08/22 13:30

Matrix: Solid

Date Received: 12/13/22 09:28

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		12/21/22 09:42	12/22/22 20:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 20:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 20:46	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/21/22 09:42	12/22/22 20:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 20:46	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/21/22 09:42	12/22/22 20:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			12/21/22 09:42	12/22/22 20:46	1
1,4-Difluorobenzene (Surr)	107		70 - 130			12/21/22 09:42	12/22/22 20:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/23/22 08:54	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			12/19/22 15:35	1

Method: 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		12/14/22 15:35	12/17/22 13:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/22 15:35	12/17/22 13:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/14/22 15:35	12/17/22 13:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130			12/14/22 15:35	12/17/22 13:31	1
o-Terphenyl (Surr)	142	S1+	70 - 130			12/14/22 15:35	12/17/22 13:31	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		4.98	mg/Kg			12/21/22 05:26	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Client Sample ID: C-205 4'

Lab Sample ID: 880-22623-5

Date Collected: 12/08/22 13:40

Matrix: Solid

Date Received: 12/13/22 09:28

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		12/21/22 09:42	12/22/22 21:06	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/21/22 09:42	12/22/22 21:06	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		12/21/22 09:42	12/22/22 21:06	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		12/21/22 09:42	12/22/22 21:06	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/21/22 09:42	12/22/22 21:06	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		12/21/22 09:42	12/22/22 21:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/21/22 09:42	12/22/22 21:06	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/21/22 09:42	12/22/22 21:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			12/23/22 08:54	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			12/19/22 15:35	1

Method: 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		12/14/22 15:35	12/17/22 13:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/14/22 15:35	12/17/22 13:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/14/22 15:35	12/17/22 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130	12/14/22 15:35	12/17/22 13:53	1
o-Terphenyl (Surr)	128		70 - 130	12/14/22 15:35	12/17/22 13:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.96	mg/Kg			12/21/22 05:34	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

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)				
880-22623-1	C-200 4'	106	98				
880-22623-2	C-201 4'	113	88				
880-22623-3	C-202 4'	94	107				
880-22623-4	C-203 4'	92	107				
880-22623-5	C-205 4'	92	109				
LCS 880-42379/1-A	Lab Control Sample	87	108				
LCS 880-42482/1-A	Lab Control Sample	111	123				
LCSD 880-42379/2-A	Lab Control Sample Dup	84	106				
LCSD 880-42482/2-A	Lab Control Sample Dup	114	122				
MB 880-42368/39	Method Blank	89	103				
MB 880-42379/5-A	Method Blank	85	105				
MB 880-42465/39	Method Blank	87	99				
MB 880-42482/5-A	Method Blank	85	103				
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)				
880-22623-1	C-200 4'	113	125				
880-22623-1 MS	C-200 4'	108	110				
880-22623-1 MSD	C-200 4'	96	96				
880-22623-2	C-201 4'	117	132 S1+				
880-22623-3	C-202 4'	132 S1+	147 S1+				
880-22623-4	C-203 4'	126	142 S1+				
880-22623-5	C-205 4'	117	128				
LCS 880-41843/2-A	Lab Control Sample	127	139 S1+				
LCSD 880-41843/3-A	Lab Control Sample Dup	124	132 S1+				
MB 880-41843/1-A	Method Blank	134 S1+	154 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42368/39

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			12/21/22 23:09	1
Toluene	<0.00200	U	0.00200	mg/Kg			12/21/22 23:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			12/21/22 23:09	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg			12/21/22 23:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			12/21/22 23:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			12/21/22 23:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130		12/21/22 23:09	1
1,4-Difluorobenzene (Surr)	103		70 - 130		12/21/22 23:09	1

Lab Sample ID: MB 880-42379/5-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42379

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 12:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 12:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 12:23	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/21/22 09:42	12/22/22 12:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/21/22 09:42	12/22/22 12:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/21/22 09:42	12/22/22 12:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	12/21/22 09:42	12/22/22 12:23	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/21/22 09:42	12/22/22 12:23	1

Lab Sample ID: LCS 880-42379/1-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1076		mg/Kg		108	70 - 130
Toluene	0.100	0.08907		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08377		mg/Kg		84	70 - 130
m,p-Xylenes	0.200	0.1657		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08112		mg/Kg		81	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-42379/2-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42379

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	5	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-42379/2-A

Matrix: Solid

Analysis Batch: 42368

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42379

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08655		mg/Kg		87	70 - 130	3	35
Ethylbenzene	0.100	0.08256		mg/Kg		83	70 - 130	1	35
m,p-Xylenes	0.200	0.1650		mg/Kg		82	70 - 130	0	35
o-Xylene	0.100	0.07783		mg/Kg		78	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-42465/39

Matrix: Solid

Analysis Batch: 42465

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			12/22/22 22:16	1
Toluene	<0.00200	U	0.00200	mg/Kg			12/22/22 22:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			12/22/22 22:16	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg			12/22/22 22:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			12/22/22 22:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			12/22/22 22:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130		12/22/22 22:16	1
1,4-Difluorobenzene (Surr)	99		70 - 130		12/22/22 22:16	1

Lab Sample ID: MB 880-42482/5-A

Matrix: Solid

Analysis Batch: 42465

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42482

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/22/22 09:05	12/23/22 08:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/22/22 09:05	12/23/22 08:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/22/22 09:05	12/23/22 08:53	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/22/22 09:05	12/23/22 08:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/22/22 09:05	12/23/22 08:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/22/22 09:05	12/23/22 08:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	12/22/22 09:05	12/23/22 08:53	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/22/22 09:05	12/23/22 08:53	1

Lab Sample ID: LCS 880-42482/1-A

Matrix: Solid

Analysis Batch: 42465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09914		mg/Kg		99	70 - 130
Toluene	0.100	0.09794		mg/Kg		98	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-42482/1-A

Matrix: Solid

Analysis Batch: 42465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130
m,p-Xylenes	0.200	0.2180		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: LCSD 880-42482/2-A

Matrix: Solid

Analysis Batch: 42465

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42482

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1015		mg/Kg		102	70 - 130	2	35
Toluene	0.100	0.09837		mg/Kg		98	70 - 130	0	35
Ethylbenzene	0.100	0.1044		mg/Kg		104	70 - 130	1	35
m,p-Xylenes	0.200	0.2235		mg/Kg		112	70 - 130	3	35
o-Xylene	0.100	0.1112		mg/Kg		111	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-41843/1-A

Matrix: Solid

Analysis Batch: 42078

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41843

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		12/14/22 15:35	12/17/22 08:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/22 15:35	12/17/22 08:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/14/22 15:35	12/17/22 08:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130	12/14/22 15:35	12/17/22 08:52	1
o-Terphenyl (Surr)	154	S1+	70 - 130	12/14/22 15:35	12/17/22 08:52	1

Lab Sample ID: LCS 880-41843/2-A

Matrix: Solid

Analysis Batch: 42078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1168		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1193		mg/Kg		119	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-41843/2-A

Matrix: Solid

Analysis Batch: 42078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41843

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	127		70 - 130
o-Terphenyl (Surr)	139	S1+	70 - 130

Lab Sample ID: LCSD 880-41843/3-A

Matrix: Solid

Analysis Batch: 42078

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41843

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1010		mg/Kg		101	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1154		mg/Kg		115	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	124		70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

Lab Sample ID: 880-22623-1 MS

Matrix: Solid

Analysis Batch: 42078

Client Sample ID: C-200 4'

Prep Type: Total/NA

Prep Batch: 41843

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	999	1024		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1187		mg/Kg		117	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	110		70 - 130

Lab Sample ID: 880-22623-1 MSD

Matrix: Solid

Analysis Batch: 42078

Client Sample ID: C-200 4'

Prep Type: Total/NA

Prep Batch: 41843

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	1118		mg/Kg		110	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1043		mg/Kg		102	70 - 130	13	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	96		70 - 130
o-Terphenyl (Surr)	96		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41929/1-A

Matrix: Solid

Analysis Batch: 42327

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			12/21/22 04:24	1

Lab Sample ID: LCS 880-41929/2-A

Matrix: Solid

Analysis Batch: 42327

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-41929/3-A

Matrix: Solid

Analysis Batch: 42327

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	245.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-22623-1 MS

Matrix: Solid

Analysis Batch: 42327

Client Sample ID: C-200 4'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	58.8	F1	253	344.7	F1	mg/Kg		113	90 - 110

Lab Sample ID: 880-22623-1 MSD

Matrix: Solid

Analysis Batch: 42327

Client Sample ID: C-200 4'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	58.8	F1	253	337.7		mg/Kg		110	90 - 110	2	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

GC VOA

Analysis Batch: 42368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22623-3	C-202 4'	Total/NA	Solid	8021B	42379
880-22623-4	C-203 4'	Total/NA	Solid	8021B	42379
880-22623-5	C-205 4'	Total/NA	Solid	8021B	42379
MB 880-42368/39	Method Blank	Total/NA	Solid	8021B	
MB 880-42379/5-A	Method Blank	Total/NA	Solid	8021B	42379
LCS 880-42379/1-A	Lab Control Sample	Total/NA	Solid	8021B	42379
LCSD 880-42379/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42379

Prep Batch: 42379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22623-3	C-202 4'	Total/NA	Solid	5035	
880-22623-4	C-203 4'	Total/NA	Solid	5035	
880-22623-5	C-205 4'	Total/NA	Solid	5035	
MB 880-42379/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42379/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42379/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 42465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22623-1	C-200 4'	Total/NA	Solid	8021B	42482
880-22623-2	C-201 4'	Total/NA	Solid	8021B	42482
MB 880-42465/39	Method Blank	Total/NA	Solid	8021B	
MB 880-42482/5-A	Method Blank	Total/NA	Solid	8021B	42482
LCS 880-42482/1-A	Lab Control Sample	Total/NA	Solid	8021B	42482
LCSD 880-42482/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42482

Prep Batch: 42482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22623-1	C-200 4'	Total/NA	Solid	5035	
880-22623-2	C-201 4'	Total/NA	Solid	5035	
MB 880-42482/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42482/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42482/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 42562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22623-1	C-200 4'	Total/NA	Solid	Total BTEX	
880-22623-2	C-201 4'	Total/NA	Solid	Total BTEX	
880-22623-3	C-202 4'	Total/NA	Solid	Total BTEX	
880-22623-4	C-203 4'	Total/NA	Solid	Total BTEX	
880-22623-5	C-205 4'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22623-1	C-200 4'	Total/NA	Solid	8015NM Prep	
880-22623-2	C-201 4'	Total/NA	Solid	8015NM Prep	
880-22623-3	C-202 4'	Total/NA	Solid	8015NM Prep	
880-22623-4	C-203 4'	Total/NA	Solid	8015NM Prep	
880-22623-5	C-205 4'	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Prep Batch: 41843 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-41843/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41843/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41843/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22623-1 MS	C-200 4'	Total/NA	Solid	8015NM Prep	
880-22623-1 MSD	C-200 4'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22623-1	C-200 4'	Total/NA	Solid	8015B NM	41843
880-22623-2	C-201 4'	Total/NA	Solid	8015B NM	41843
880-22623-3	C-202 4'	Total/NA	Solid	8015B NM	41843
880-22623-4	C-203 4'	Total/NA	Solid	8015B NM	41843
880-22623-5	C-205 4'	Total/NA	Solid	8015B NM	41843
MB 880-41843/1-A	Method Blank	Total/NA	Solid	8015B NM	41843
LCS 880-41843/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41843
LCSD 880-41843/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41843
880-22623-1 MS	C-200 4'	Total/NA	Solid	8015B NM	41843
880-22623-1 MSD	C-200 4'	Total/NA	Solid	8015B NM	41843

Analysis Batch: 42224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22623-1	C-200 4'	Total/NA	Solid	8015 NM	
880-22623-2	C-201 4'	Total/NA	Solid	8015 NM	
880-22623-3	C-202 4'	Total/NA	Solid	8015 NM	
880-22623-4	C-203 4'	Total/NA	Solid	8015 NM	
880-22623-5	C-205 4'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 41929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22623-1	C-200 4'	Soluble	Solid	DI Leach	
880-22623-2	C-201 4'	Soluble	Solid	DI Leach	
880-22623-3	C-202 4'	Soluble	Solid	DI Leach	
880-22623-4	C-203 4'	Soluble	Solid	DI Leach	
880-22623-5	C-205 4'	Soluble	Solid	DI Leach	
MB 880-41929/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41929/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41929/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22623-1 MS	C-200 4'	Soluble	Solid	DI Leach	
880-22623-1 MSD	C-200 4'	Soluble	Solid	DI Leach	

Analysis Batch: 42327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22623-1	C-200 4'	Soluble	Solid	300.0	41929
880-22623-2	C-201 4'	Soluble	Solid	300.0	41929
880-22623-3	C-202 4'	Soluble	Solid	300.0	41929
880-22623-4	C-203 4'	Soluble	Solid	300.0	41929
880-22623-5	C-205 4'	Soluble	Solid	300.0	41929
MB 880-41929/1-A	Method Blank	Soluble	Solid	300.0	41929
LCS 880-41929/2-A	Lab Control Sample	Soluble	Solid	300.0	41929

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

HPLC/IC (Continued)

Analysis Batch: 42327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-41929/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41929
880-22623-1 MS	C-200 4'	Soluble	Solid	300.0	41929
880-22623-1 MSD	C-200 4'	Soluble	Solid	300.0	41929

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Client Sample ID: C-200 4'

Lab Sample ID: 880-22623-1

Date Collected: 12/08/22 13:00

Matrix: Solid

Date Received: 12/13/22 09:28

Prep 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	42482	12/22/22 09:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42465	12/23/22 11:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42562	12/23/22 17:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42224	12/19/22 15:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41843	12/14/22 15:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42078	12/17/22 11:39	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41929	12/15/22 14:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42327	12/21/22 04:47	CH	EET MID

Client Sample ID: C-201 4'

Lab Sample ID: 880-22623-2

Date Collected: 12/08/22 13:10

Matrix: Solid

Date Received: 12/13/22 09:28

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	42482	12/22/22 09:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42465	12/23/22 12:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42562	12/23/22 17:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42224	12/19/22 15:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41843	12/14/22 15:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42078	12/17/22 12:46	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41929	12/15/22 14:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42327	12/21/22 05:10	CH	EET MID

Client Sample ID: C-202 4'

Lab Sample ID: 880-22623-3

Date Collected: 12/08/22 13:20

Matrix: Solid

Date Received: 12/13/22 09:28

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	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 20:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42562	12/23/22 08:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42224	12/19/22 15:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41843	12/14/22 15:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42078	12/17/22 13:08	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41929	12/15/22 14:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42327	12/21/22 05:18	CH	EET MID

Client Sample ID: C-203 4'

Lab Sample ID: 880-22623-4

Date Collected: 12/08/22 13:30

Matrix: Solid

Date Received: 12/13/22 09:28

Prep 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	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 20:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42562	12/23/22 08:54	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Client Sample ID: C-203 4'
Date Collected: 12/08/22 13:30
Date Received: 12/13/22 09:28

Lab Sample ID: 880-22623-4
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			42224	12/19/22 15:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41843	12/14/22 15:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42078	12/17/22 13:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41929	12/15/22 14:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42327	12/21/22 05:26	CH	EET MID

Client Sample ID: C-205 4'
Date Collected: 12/08/22 13:40
Date Received: 12/13/22 09:28

Lab Sample ID: 880-22623-5
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			5.05 g	5 mL	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 21:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42562	12/23/22 08:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42224	12/19/22 15:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41843	12/14/22 15:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42078	12/17/22 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41929	12/15/22 14:21	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42327	12/21/22 05:34	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

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
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

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: Hay Hurst Pond 2

Job ID: 880-22623-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22623-1	C-200 4'	Solid	12/08/22 13:00	12/13/22 09:28
880-22623-2	C-201 4'	Solid	12/08/22 13:10	12/13/22 09:28
880-22623-3	C-202 4'	Solid	12/08/22 13:20	12/13/22 09:28
880-22623-4	C-203 4'	Solid	12/08/22 13:30	12/13/22 09:28
880-22623-5	C-205 4'	Solid	12/08/22 13:40	12/13/22 09:28

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Marson & Associates, Inc.
Environmental Consultants

507 N. Marenfeld, Ste. 202
Midland, TX 79701
432-687-0901

Date Reported to

DATE _____ PAGE 1 OF 1
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Mayhew Pond
LAI PROJECT # 22-0107-01 COLLECTOR S. Bates

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

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX ☐ MTBE ☐
TRPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☐
DIESEL - MOD 8015 ☐
OIL - MOD 8015 ☐
VOC 8260 ☐
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
8082 PCBs ☐
TCRP - METALS (RCRA) ☐ TCRLP VOC ☐
TCRP - PEST ☐ HERB ☐ Semi-VOC ☐
TOTAL METALS (RCRA) ☐ OTHER LIST ☐
LEAD - TOTAL ☐ DW 200.8 ☐ TCRLP ☐
RCI ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
PH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PECHLORATE ☐
CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

C-200 4' 1' 12/8/02 1300 5 1
C-201 4' 1310 1
C-202 4' 1320 1
C-203 4' 1330 1
C-205 4' 1340 1

TOTAL 5

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

LABORATORY

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 54.53 THERM# TRB-30
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

880-22623 Chain of Custody

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-22623-1

SDG Number: 22-0107-01

Login Number: 22623

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 1/4/2023 12:16:17 PM

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0105-16

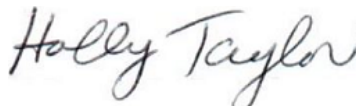
JOB NUMBER

880-23059-1

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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1/4/2023 12:16:17 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Laboratory Job ID: 880-23059-1
SDG: 22-0105-16

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.
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: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Job ID: 880-23059-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-23059-1

Receipt

The samples were received on 12/27/2022 10:33 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 0.3°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

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-42937/32), (CCV 880-42937/48), (CCV 880-42937/59) and (LCSD 880-42996/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-23059-A-1-F MS) and (880-23059-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C21 5' (880-23059-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C24 5' (880-23059-9). 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) recoveries and precision for preparation batch 880-42996 and analytical batch 880-42937 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.

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: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: S10 3'

Lab Sample ID: 880-23059-1

Date Collected: 12/21/22 12:00

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 12:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:51	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/30/22 11:33	01/03/23 12:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:51	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/30/22 11:33	01/03/23 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/30/22 11:33	01/03/23 12:51	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/30/22 11:33	01/03/23 12:51	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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 01:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	49.9	mg/Kg		12/30/22 15:05	12/31/22 01:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	12/30/22 15:05	12/31/22 01:24	1
o-Terphenyl (Surr)	108		70 - 130	12/30/22 15:05	12/31/22 01:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.4		5.01	mg/Kg			12/31/22 01:03	1

Client Sample ID: S10 5'

Lab Sample ID: 880-23059-2

Date Collected: 12/21/22 12:15

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 13:12	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/30/22 11:33	01/03/23 13:12	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/30/22 11:33	01/03/23 13:12	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/30/22 11:33	01/03/23 13:12	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/30/22 11:33	01/03/23 13:12	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/30/22 11:33	01/03/23 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/30/22 11:33	01/03/23 13:12	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/30/22 11:33	01/03/23 13:12	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: S10 5'

Lab Sample ID: 880-23059-2

Date Collected: 12/21/22 12:15

Matrix: Solid

Date Received: 12/27/22 10:33

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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 02:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 02:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 02:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			12/30/22 15:05	12/31/22 02:35	1
o-Terphenyl (Surr)	74		70 - 130			12/30/22 15:05	12/31/22 02:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		5.00	mg/Kg			12/31/22 01:08	1

Client Sample ID: S12 3'

Lab Sample ID: 880-23059-3

Date Collected: 12/21/22 13:00

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 13:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/30/22 11:33	01/03/23 13:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/30/22 11:33	01/03/23 13:32	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/30/22 11:33	01/03/23 13:32	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/30/22 11:33	01/03/23 13:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/30/22 11:33	01/03/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			12/30/22 11:33	01/03/23 13:32	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/30/22 11:33	01/03/23 13:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 02:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 02:59	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: S12 3'

Lab Sample ID: 880-23059-3

Date Collected: 12/21/22 13:00

Matrix: Solid

Date Received: 12/27/22 10:33

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 02:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			12/30/22 15:05	12/31/22 02:59	1
o-Terphenyl (Surr)	80		70 - 130			12/30/22 15:05	12/31/22 02:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		5.02	mg/Kg			12/31/22 01:13	1

Client Sample ID: S12 5'

Lab Sample ID: 880-23059-4

Date Collected: 12/21/22 13:15

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 13:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 13:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 13:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 13:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 13:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 13:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			12/30/22 11:33	01/03/23 13:53	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/30/22 11:33	01/03/23 13:53	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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 03:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/30/22 15:05	12/31/22 03:23	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/30/22 15:05	12/31/22 03:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			12/30/22 15:05	12/31/22 03:23	1
o-Terphenyl (Surr)	89		70 - 130			12/30/22 15:05	12/31/22 03:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	552		50.1	mg/Kg			12/31/22 01:17	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C20 5'

Lab Sample ID: 880-23059-5

Date Collected: 12/21/22 16:00

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 14:13	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 14:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 14:13	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 14:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 14:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/30/22 11:33	01/03/23 14:13	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/30/22 11:33	01/03/23 14:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 03:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 03:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	12/30/22 15:05	12/31/22 03:46	1
o-Terphenyl (Surr)	101		70 - 130	12/30/22 15:05	12/31/22 03:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	466		50.0	mg/Kg			12/31/22 01:22	10

Client Sample ID: C21 5'

Lab Sample ID: 880-23059-6

Date Collected: 12/21/22 16:01

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 14:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:33	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/30/22 11:33	01/03/23 14:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:33	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/30/22 11:33	01/03/23 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/30/22 11:33	01/03/23 14:33	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/30/22 11:33	01/03/23 14:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C21 5'

Lab Sample ID: 880-23059-6

Date Collected: 12/21/22 16:01

Matrix: Solid

Date Received: 12/27/22 10:33

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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 04:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	58	S1-	70 - 130			12/30/22 15:05	12/31/22 04:10	1
o-Terphenyl (Surr)	54	S1-	70 - 130			12/30/22 15:05	12/31/22 04:10	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.3		5.00	mg/Kg			12/31/22 01:27	1

Client Sample ID: C22 5'

Lab Sample ID: 880-23059-7

Date Collected: 12/21/22 16:02

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 14:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:54	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/30/22 11:33	01/03/23 14:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 14:54	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/30/22 11:33	01/03/23 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			12/30/22 11:33	01/03/23 14:54	1
1,4-Difluorobenzene (Surr)	112		70 - 130			12/30/22 11:33	01/03/23 14:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 04:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C22 5'

Date Collected: 12/21/22 16:02

Date Received: 12/27/22 10:33

Lab Sample ID: 880-23059-7

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			12/30/22 15:05	12/31/22 04:32	1
o-Terphenyl (Surr)	123		70 - 130			12/30/22 15:05	12/31/22 04:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		5.02	mg/Kg			12/31/22 01:41	1

Client Sample ID: C23 5'

Date Collected: 12/21/22 16:03

Date Received: 12/27/22 10:33

Lab Sample ID: 880-23059-8

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 15:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			12/30/22 11:33	01/03/23 15:14	1
1,4-Difluorobenzene (Surr)	111		70 - 130			12/30/22 11:33	01/03/23 15:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 04:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 04:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			12/30/22 15:05	12/31/22 04:55	1
o-Terphenyl (Surr)	108		70 - 130			12/30/22 15:05	12/31/22 04:55	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.5		5.00	mg/Kg			12/31/22 01:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C24 5'

Lab Sample ID: 880-23059-9

Date Collected: 12/21/22 16:04

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 15:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 15:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 15:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/30/22 11:33	01/03/23 15:35	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/30/22 11:33	01/03/23 15:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 05:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 05:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 05:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	0.01	S1-	70 - 130	12/30/22 15:05	12/31/22 05:14	1
o-Terphenyl (Surr)	0.03	S1-	70 - 130	12/30/22 15:05	12/31/22 05:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	239		4.98	mg/Kg			12/31/22 01:59	1

Client Sample ID: C25 5'

Lab Sample ID: 880-23059-10

Date Collected: 12/21/22 16:05

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 15:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 15:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 15:55	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/30/22 11:33	01/03/23 15:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 15:55	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/30/22 11:33	01/03/23 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/30/22 11:33	01/03/23 15:55	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/30/22 11:33	01/03/23 15:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C25 5'

Lab Sample ID: 880-23059-10

Date Collected: 12/21/22 16:05

Matrix: Solid

Date Received: 12/27/22 10:33

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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 06:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 06:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 06:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130			12/30/22 15:05	12/31/22 06:22	1
o-Terphenyl (Surr)	124		70 - 130			12/30/22 15:05	12/31/22 06:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.0		4.95	mg/Kg			12/31/22 02:04	1

Client Sample ID: C26 5'

Lab Sample ID: 880-23059-11

Date Collected: 12/21/22 16:06

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 17:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 17:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 17:45	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 17:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 17:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 17:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			12/30/22 11:33	01/03/23 17:45	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/30/22 11:33	01/03/23 17:45	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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 07:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/30/22 15:05	12/31/22 07:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C26 5'

Lab Sample ID: 880-23059-11

Date Collected: 12/21/22 16:06

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 15:05	12/31/22 07:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			12/30/22 15:05	12/31/22 07:06	1
o-Terphenyl (Surr)	119		70 - 130			12/30/22 15:05	12/31/22 07:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.3		5.00	mg/Kg			12/31/22 02:09	1

Client Sample ID: C27 5'

Lab Sample ID: 880-23059-12

Date Collected: 12/21/22 16:07

Matrix: Solid

Date Received: 12/27/22 10:33

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		12/30/22 11:33	01/03/23 18:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 18:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 18:05	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 18:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/30/22 11:33	01/03/23 18:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/30/22 11:33	01/03/23 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			12/30/22 11:33	01/03/23 18:05	1
1,4-Difluorobenzene (Surr)	111		70 - 130			12/30/22 11:33	01/03/23 18:05	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			01/04/23 09:17	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			01/03/23 10:37	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		12/30/22 15:05	12/31/22 07:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 07:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 07:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			12/30/22 15:05	12/31/22 07:29	1
o-Terphenyl (Surr)	103		70 - 130			12/30/22 15:05	12/31/22 07:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.2		4.99	mg/Kg			12/31/22 02:14	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

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)
880-23059-1	S10 3'	100	108
880-23059-1 MS	S10 3'	101	110
880-23059-1 MSD	S10 3'	97	104
880-23059-2	S10 5'	106	111
880-23059-3	S12 3'	101	109
880-23059-4	S12 5'	101	109
880-23059-5	C20 5'	105	111
880-23059-6	C21 5'	105	111
880-23059-7	C22 5'	105	112
880-23059-8	C23 5'	103	111
880-23059-9	C24 5'	108	109
880-23059-10	C25 5'	106	110
880-23059-11	C26 5'	101	109
880-23059-12	C27 5'	109	111
LCS 880-42941/1-A	Lab Control Sample	93	107
LCSD 880-42941/2-A	Lab Control Sample Dup	97	109
MB 880-42941/5-A	Method Blank	97	107
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)
880-23059-1	S10 3'	114	108
880-23059-1 MS	S10 3'	53 S1-	46 S1-
880-23059-1 MSD	S10 3'	68 S1-	60 S1-
880-23059-2	S10 5'	76	74
880-23059-3	S12 3'	81	80
880-23059-4	S12 5'	88	89
880-23059-5	C20 5'	100	101
880-23059-6	C21 5'	58 S1-	54 S1-
880-23059-7	C22 5'	121	123
880-23059-8	C23 5'	107	108
880-23059-9	C24 5'	0.01 S1-	0.03 S1-
880-23059-10	C25 5'	123	124
880-23059-11	C26 5'	121	119
880-23059-12	C27 5'	101	103
LCS 880-42996/2-A	Lab Control Sample	106	118
LCSD 880-42996/3-A	Lab Control Sample Dup	119	132 S1+
MB 880-42996/1-A	Method Blank	115	127
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42941/5-A

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42941

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:23	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/30/22 11:33	01/03/23 12:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/30/22 11:33	01/03/23 12:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/30/22 11:33	01/03/23 12:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/30/22 11:33	01/03/23 12:23	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/30/22 11:33	01/03/23 12:23	1

Lab Sample ID: LCS 880-42941/1-A

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09341		mg/Kg		93	70 - 130
Toluene	0.100	0.08875		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08816		mg/Kg		88	70 - 130
m,p-Xylenes	0.200	0.1815		mg/Kg		91	70 - 130
o-Xylene	0.100	0.08693		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-42941/2-A

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42941

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09507		mg/Kg		95	70 - 130	2	35
Toluene	0.100	0.09079		mg/Kg		91	70 - 130	2	35
Ethylbenzene	0.100	0.08995		mg/Kg		90	70 - 130	2	35
m,p-Xylenes	0.200	0.1856		mg/Kg		93	70 - 130	2	35
o-Xylene	0.100	0.08867		mg/Kg		89	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-23059-1 MS

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: S10 3'

Prep Type: Total/NA

Prep Batch: 42941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09240		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08833		mg/Kg		88	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-23059-1 MS

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: S10 3'

Prep Type: Total/NA

Prep Batch: 42941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08642		mg/Kg		86	70 - 130
m,p-Xylenes	<0.00400	U	0.200	0.1791		mg/Kg		89	70 - 130
o-Xylene	<0.00200	U	0.100	0.08531		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-23059-1 MSD

Matrix: Solid

Analysis Batch: 43042

Client Sample ID: S10 3'

Prep Type: Total/NA

Prep Batch: 42941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.0994	0.08424		mg/Kg		85	70 - 130	9	35
Toluene	<0.00200	U	0.0994	0.08064		mg/Kg		81	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.0994	0.07961		mg/Kg		80	70 - 130	8	35
m,p-Xylenes	<0.00400	U	0.199	0.1651		mg/Kg		83	70 - 130	8	35
o-Xylene	<0.00200	U	0.0994	0.07936		mg/Kg		80	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-42996/1-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42996

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		12/30/22 15:05	12/31/22 00:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 00:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/30/22 15:05	12/31/22 00:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	12/30/22 15:05	12/31/22 00:12	1
o-Terphenyl (Surr)	127		70 - 130	12/30/22 15:05	12/31/22 00:12	1

Lab Sample ID: LCS 880-42996/2-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	942.2		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-42996/2-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42996

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	118		70 - 130

Lab Sample ID: LCSD 880-42996/3-A

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42996

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1025		mg/Kg		103	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1258		mg/Kg		126	70 - 130	12	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

Lab Sample ID: 880-23059-1 MS

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: S10 3'

Prep Type: Total/NA

Prep Batch: 42996

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	999	958.3		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	999	534.1	F1	mg/Kg		51	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	53	S1-	70 - 130
o-Terphenyl (Surr)	46	S1-	70 - 130

Lab Sample ID: 880-23059-1 MSD

Matrix: Solid

Analysis Batch: 42937

Client Sample ID: S10 3'

Prep Type: Total/NA

Prep Batch: 42996

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	981.9		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	999	708.7	F1 F2	mg/Kg		69	70 - 130	28	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	68	S1-	70 - 130
o-Terphenyl (Surr)	60	S1-	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42865/1-A

Matrix: Solid

Analysis Batch: 42947

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			12/31/22 00:07	1

Lab Sample ID: LCS 880-42865/2-A

Matrix: Solid

Analysis Batch: 42947

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.6		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-42865/3-A

Matrix: Solid

Analysis Batch: 42947

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	254.8		mg/Kg		102	90 - 110	3	20

Lab Sample ID: 880-23059-6 MS

Matrix: Solid

Analysis Batch: 42947

Client Sample ID: C21 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	63.3		250	328.6		mg/Kg		106	90 - 110

Lab Sample ID: 880-23059-6 MSD

Matrix: Solid

Analysis Batch: 42947

Client Sample ID: C21 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	63.3		250	316.8		mg/Kg		101	90 - 110	4	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

GC VOA

Prep Batch: 42941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	5035	
880-23059-2	S10 5'	Total/NA	Solid	5035	
880-23059-3	S12 3'	Total/NA	Solid	5035	
880-23059-4	S12 5'	Total/NA	Solid	5035	
880-23059-5	C20 5'	Total/NA	Solid	5035	
880-23059-6	C21 5'	Total/NA	Solid	5035	
880-23059-7	C22 5'	Total/NA	Solid	5035	
880-23059-8	C23 5'	Total/NA	Solid	5035	
880-23059-9	C24 5'	Total/NA	Solid	5035	
880-23059-10	C25 5'	Total/NA	Solid	5035	
880-23059-11	C26 5'	Total/NA	Solid	5035	
880-23059-12	C27 5'	Total/NA	Solid	5035	
MB 880-42941/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42941/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42941/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23059-1 MS	S10 3'	Total/NA	Solid	5035	
880-23059-1 MSD	S10 3'	Total/NA	Solid	5035	

Analysis Batch: 43042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	8021B	42941
880-23059-2	S10 5'	Total/NA	Solid	8021B	42941
880-23059-3	S12 3'	Total/NA	Solid	8021B	42941
880-23059-4	S12 5'	Total/NA	Solid	8021B	42941
880-23059-5	C20 5'	Total/NA	Solid	8021B	42941
880-23059-6	C21 5'	Total/NA	Solid	8021B	42941
880-23059-7	C22 5'	Total/NA	Solid	8021B	42941
880-23059-8	C23 5'	Total/NA	Solid	8021B	42941
880-23059-9	C24 5'	Total/NA	Solid	8021B	42941
880-23059-10	C25 5'	Total/NA	Solid	8021B	42941
880-23059-11	C26 5'	Total/NA	Solid	8021B	42941
880-23059-12	C27 5'	Total/NA	Solid	8021B	42941
MB 880-42941/5-A	Method Blank	Total/NA	Solid	8021B	42941
LCS 880-42941/1-A	Lab Control Sample	Total/NA	Solid	8021B	42941
LCSD 880-42941/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42941
880-23059-1 MS	S10 3'	Total/NA	Solid	8021B	42941
880-23059-1 MSD	S10 3'	Total/NA	Solid	8021B	42941

Analysis Batch: 43120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	Total BTEX	
880-23059-2	S10 5'	Total/NA	Solid	Total BTEX	
880-23059-3	S12 3'	Total/NA	Solid	Total BTEX	
880-23059-4	S12 5'	Total/NA	Solid	Total BTEX	
880-23059-5	C20 5'	Total/NA	Solid	Total BTEX	
880-23059-6	C21 5'	Total/NA	Solid	Total BTEX	
880-23059-7	C22 5'	Total/NA	Solid	Total BTEX	
880-23059-8	C23 5'	Total/NA	Solid	Total BTEX	
880-23059-9	C24 5'	Total/NA	Solid	Total BTEX	
880-23059-10	C25 5'	Total/NA	Solid	Total BTEX	
880-23059-11	C26 5'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

GC VOA (Continued)

Analysis Batch: 43120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-12	C27 5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 42937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	8015B NM	42996
880-23059-2	S10 5'	Total/NA	Solid	8015B NM	42996
880-23059-3	S12 3'	Total/NA	Solid	8015B NM	42996
880-23059-4	S12 5'	Total/NA	Solid	8015B NM	42996
880-23059-5	C20 5'	Total/NA	Solid	8015B NM	42996
880-23059-6	C21 5'	Total/NA	Solid	8015B NM	42996
880-23059-7	C22 5'	Total/NA	Solid	8015B NM	42996
880-23059-8	C23 5'	Total/NA	Solid	8015B NM	42996
880-23059-9	C24 5'	Total/NA	Solid	8015B NM	42996
880-23059-10	C25 5'	Total/NA	Solid	8015B NM	42996
880-23059-11	C26 5'	Total/NA	Solid	8015B NM	42996
880-23059-12	C27 5'	Total/NA	Solid	8015B NM	42996
MB 880-42996/1-A	Method Blank	Total/NA	Solid	8015B NM	42996
LCS 880-42996/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42996
LCSD 880-42996/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42996
880-23059-1 MS	S10 3'	Total/NA	Solid	8015B NM	42996
880-23059-1 MSD	S10 3'	Total/NA	Solid	8015B NM	42996

Prep Batch: 42996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	8015NM Prep	
880-23059-2	S10 5'	Total/NA	Solid	8015NM Prep	
880-23059-3	S12 3'	Total/NA	Solid	8015NM Prep	
880-23059-4	S12 5'	Total/NA	Solid	8015NM Prep	
880-23059-5	C20 5'	Total/NA	Solid	8015NM Prep	
880-23059-6	C21 5'	Total/NA	Solid	8015NM Prep	
880-23059-7	C22 5'	Total/NA	Solid	8015NM Prep	
880-23059-8	C23 5'	Total/NA	Solid	8015NM Prep	
880-23059-9	C24 5'	Total/NA	Solid	8015NM Prep	
880-23059-10	C25 5'	Total/NA	Solid	8015NM Prep	
880-23059-11	C26 5'	Total/NA	Solid	8015NM Prep	
880-23059-12	C27 5'	Total/NA	Solid	8015NM Prep	
MB 880-42996/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42996/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42996/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23059-1 MS	S10 3'	Total/NA	Solid	8015NM Prep	
880-23059-1 MSD	S10 3'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Total/NA	Solid	8015 NM	
880-23059-2	S10 5'	Total/NA	Solid	8015 NM	
880-23059-3	S12 3'	Total/NA	Solid	8015 NM	
880-23059-4	S12 5'	Total/NA	Solid	8015 NM	
880-23059-5	C20 5'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

GC Semi VOA (Continued)

Analysis Batch: 43067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-6	C21 5'	Total/NA	Solid	8015 NM	
880-23059-7	C22 5'	Total/NA	Solid	8015 NM	
880-23059-8	C23 5'	Total/NA	Solid	8015 NM	
880-23059-9	C24 5'	Total/NA	Solid	8015 NM	
880-23059-10	C25 5'	Total/NA	Solid	8015 NM	
880-23059-11	C26 5'	Total/NA	Solid	8015 NM	
880-23059-12	C27 5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Soluble	Solid	DI Leach	
880-23059-2	S10 5'	Soluble	Solid	DI Leach	
880-23059-3	S12 3'	Soluble	Solid	DI Leach	
880-23059-4	S12 5'	Soluble	Solid	DI Leach	
880-23059-5	C20 5'	Soluble	Solid	DI Leach	
880-23059-6	C21 5'	Soluble	Solid	DI Leach	
880-23059-7	C22 5'	Soluble	Solid	DI Leach	
880-23059-8	C23 5'	Soluble	Solid	DI Leach	
880-23059-9	C24 5'	Soluble	Solid	DI Leach	
880-23059-10	C25 5'	Soluble	Solid	DI Leach	
880-23059-11	C26 5'	Soluble	Solid	DI Leach	
880-23059-12	C27 5'	Soluble	Solid	DI Leach	
MB 880-42865/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42865/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42865/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23059-6 MS	C21 5'	Soluble	Solid	DI Leach	
880-23059-6 MSD	C21 5'	Soluble	Solid	DI Leach	

Analysis Batch: 42947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23059-1	S10 3'	Soluble	Solid	300.0	42865
880-23059-2	S10 5'	Soluble	Solid	300.0	42865
880-23059-3	S12 3'	Soluble	Solid	300.0	42865
880-23059-4	S12 5'	Soluble	Solid	300.0	42865
880-23059-5	C20 5'	Soluble	Solid	300.0	42865
880-23059-6	C21 5'	Soluble	Solid	300.0	42865
880-23059-7	C22 5'	Soluble	Solid	300.0	42865
880-23059-8	C23 5'	Soluble	Solid	300.0	42865
880-23059-9	C24 5'	Soluble	Solid	300.0	42865
880-23059-10	C25 5'	Soluble	Solid	300.0	42865
880-23059-11	C26 5'	Soluble	Solid	300.0	42865
880-23059-12	C27 5'	Soluble	Solid	300.0	42865
MB 880-42865/1-A	Method Blank	Soluble	Solid	300.0	42865
LCS 880-42865/2-A	Lab Control Sample	Soluble	Solid	300.0	42865
LCSD 880-42865/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42865
880-23059-6 MS	C21 5'	Soluble	Solid	300.0	42865
880-23059-6 MSD	C21 5'	Soluble	Solid	300.0	42865

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: S10 3'

Lab Sample ID: 880-23059-1

Date Collected: 12/21/22 12:00

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 01:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:03	CH	EET MID

Client Sample ID: S10 5'

Lab Sample ID: 880-23059-2

Date Collected: 12/21/22 12:15

Matrix: Solid

Date Received: 12/27/22 10:33

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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 02:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:08	CH	EET MID

Client Sample ID: S12 3'

Lab Sample ID: 880-23059-3

Date Collected: 12/21/22 13:00

Matrix: Solid

Date Received: 12/27/22 10:33

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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 13:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 02:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:13	CH	EET MID

Client Sample ID: S12 5'

Lab Sample ID: 880-23059-4

Date Collected: 12/21/22 13:15

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: S12 5'

Lab Sample ID: 880-23059-4

Date Collected: 12/21/22 13:15

Matrix: Solid

Date Received: 12/27/22 10:33

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			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 03:23	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		10			42947	12/31/22 01:17	CH	EET MID

Client Sample ID: C20 5'

Lab Sample ID: 880-23059-5

Date Collected: 12/21/22 16:00

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 03:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		10			42947	12/31/22 01:22	CH	EET MID

Client Sample ID: C21 5'

Lab Sample ID: 880-23059-6

Date Collected: 12/21/22 16:01

Matrix: Solid

Date Received: 12/27/22 10:33

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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 04:10	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:27	CH	EET MID

Client Sample ID: C22 5'

Lab Sample ID: 880-23059-7

Date Collected: 12/21/22 16:02

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 04:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C22 5'**Date Collected: 12/21/22 16:02****Date Received: 12/27/22 10:33****Lab Sample ID: 880-23059-7****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	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:41	CH	EET MID

Client Sample ID: C23 5'**Date Collected: 12/21/22 16:03****Date Received: 12/27/22 10:33****Lab Sample ID: 880-23059-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 04:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:45	CH	EET MID

Client Sample ID: C24 5'**Date Collected: 12/21/22 16:04****Date Received: 12/27/22 10:33****Lab Sample ID: 880-23059-9****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 15:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 05:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 01:59	CH	EET MID

Client Sample ID: C25 5'**Date Collected: 12/21/22 16:05****Date Received: 12/27/22 10:33****Lab Sample ID: 880-23059-10****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			4.99 g	5 mL	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 15:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 06:22	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 02:04	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Client Sample ID: C26 5'

Lab Sample ID: 880-23059-11

Date Collected: 12/21/22 16:06

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 07:06	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 02:09	CH	EET MID

Client Sample ID: C27 5'

Lab Sample ID: 880-23059-12

Date Collected: 12/21/22 16:07

Matrix: Solid

Date Received: 12/27/22 10:33

Prep 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	42941	12/30/22 11:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43042	01/03/23 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43120	01/04/23 09:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43067	01/03/23 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42996	12/30/22 15:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42937	12/31/22 07:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42865	12/29/22 10:48	KS	EET MID
Soluble	Analysis	300.0		1			42947	12/31/22 02:14	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: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

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: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23059-1
SDG: 22-0105-16

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23059-1	S10 3'	Solid	12/21/22 12:00	12/27/22 10:33
880-23059-2	S10 5'	Solid	12/21/22 12:15	12/27/22 10:33
880-23059-3	S12 3'	Solid	12/21/22 13:00	12/27/22 10:33
880-23059-4	S12 5'	Solid	12/21/22 13:15	12/27/22 10:33
880-23059-5	C20 5'	Solid	12/21/22 16:00	12/27/22 10:33
880-23059-6	C21 5'	Solid	12/21/22 16:01	12/27/22 10:33
880-23059-7	C22 5'	Solid	12/21/22 16:02	12/27/22 10:33
880-23059-8	C23 5'	Solid	12/21/22 16:03	12/27/22 10:33
880-23059-9	C24 5'	Solid	12/21/22 16:04	12/27/22 10:33
880-23059-10	C25 5'	Solid	12/21/22 16:05	12/27/22 10:33
880-23059-11	C26 5'	Solid	12/21/22 16:06	12/27/22 10:33
880-23059-12	C27 5'	Solid	12/21/22 16:07	12/27/22 10:33

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-23059-1

SDG Number: 22-0105-16

Login Number: 23059**List Number: 1****Creator: Teel, Brianna****List Source: Eurofins Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



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 1/6/2023 6:13:04 PM

JOB DESCRIPTION

Hay Hurst Pond 2
SDG NUMBER 22-0107-01

JOB NUMBER

880-23216-1

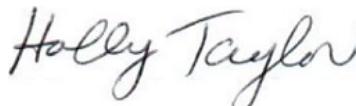
Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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
1/6/2023 6:13:04 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Laboratory Job ID: 880-23216-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

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
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Job ID: 880-23216-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-23216-1

Receipt

The samples were received on 1/3/2023 9:08 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 0.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C19 5' (880-23216-1), C16 5' (880-23216-2), SW7 0-5' (880-23216-3), C8 6' (880-23216-4), C9 6' (880-23216-5), C18 7' (880-23216-6), C12 8' (880-23216-7), C13 9' (880-23216-8), C14 9' (880-23216-9), C11 4' (880-23216-10) and C15 7' (880-23216-11).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-43276 and analytical batch 880-43290 was outside the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43075 and analytical batch 880-43283 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: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C19 5'

Lab Sample ID: 880-23216-1

Date Collected: 12/27/22 11:50

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/03/23 13:11	01/04/23 10:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/03/23 13:11	01/04/23 10:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/03/23 13:11	01/04/23 10:59	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/03/23 13:11	01/04/23 10:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/03/23 13:11	01/04/23 10:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/03/23 13:11	01/04/23 10:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	01/03/23 13:11	01/04/23 10:59	1
1,4-Difluorobenzene (Surr)	104		70 - 130	01/03/23 13:11	01/04/23 10:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/04/23 14:46	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			01/05/23 17:08	1

Method: 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		01/04/23 09:23	01/05/23 10:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 10:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 10:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	01/04/23 09:23	01/05/23 10:57	1
o-Terphenyl (Surr)	102		70 - 130	01/04/23 09:23	01/05/23 10:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	322		50.4	mg/Kg			01/06/23 17:13	10

Client Sample ID: C16 5'

Lab Sample ID: 880-23216-2

Date Collected: 12/28/22 10:30

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/05/23 13:55	01/06/23 00:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/06/23 00:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/06/23 00:38	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/05/23 13:55	01/06/23 00:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/06/23 00:38	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/05/23 13:55	01/06/23 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	01/05/23 13:55	01/06/23 00:38	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/05/23 13:55	01/06/23 00:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C16 5'

Lab Sample ID: 880-23216-2

Date Collected: 12/28/22 10:30

Matrix: Solid

Date Received: 01/03/23 09:08

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			01/06/23 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/05/23 17:08	1

Method: 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		01/04/23 09:23	01/05/23 12:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 12:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 12:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			01/04/23 09:23	01/05/23 12:03	1
o-Terphenyl (Surr)	116		70 - 130			01/04/23 09:23	01/05/23 12:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	715		49.5	mg/Kg			01/06/23 17:18	10

Client Sample ID: SW7 0-5'

Lab Sample ID: 880-23216-3

Date Collected: 12/28/22 12:00

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/05/23 13:55	01/06/23 01:04	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/05/23 13:55	01/06/23 01:04	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/05/23 13:55	01/06/23 01:04	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/05/23 13:55	01/06/23 01:04	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/05/23 13:55	01/06/23 01:04	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/05/23 13:55	01/06/23 01:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130			01/05/23 13:55	01/06/23 01:04	1
1,4-Difluorobenzene (Surr)	91		70 - 130			01/05/23 13:55	01/06/23 01:04	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			01/06/23 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/05/23 17:08	1

Method: 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		01/04/23 09:23	01/05/23 12:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 12:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: SW7 0-5'

Lab Sample ID: 880-23216-3

Date Collected: 12/28/22 12:00

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/04/23 09:23	01/05/23 12:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130			01/04/23 09:23	01/05/23 12:25	1
o-Terphenyl (Surr)	115		70 - 130			01/04/23 09:23	01/05/23 12:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.7	F1	5.02	mg/Kg			01/06/23 17:23	1

Client Sample ID: C8 6'

Lab Sample ID: 880-23216-4

Date Collected: 12/29/22 10:00

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/05/23 13:55	01/06/23 01:29	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/05/23 13:55	01/06/23 01:29	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/05/23 13:55	01/06/23 01:29	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/05/23 13:55	01/06/23 01:29	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/05/23 13:55	01/06/23 01:29	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/05/23 13:55	01/06/23 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130			01/05/23 13:55	01/06/23 01:29	1
1,4-Difluorobenzene (Surr)	85		70 - 130			01/05/23 13:55	01/06/23 01:29	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			01/06/23 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/05/23 17:08	1

Method: 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		01/04/23 09:23	01/05/23 12:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/04/23 09:23	01/05/23 12:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/04/23 09:23	01/05/23 12:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			01/04/23 09:23	01/05/23 12:46	1
o-Terphenyl (Surr)	100		70 - 130			01/04/23 09:23	01/05/23 12:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	794		49.8	mg/Kg			01/06/23 17:38	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C9 6'

Lab Sample ID: 880-23216-5

Date Collected: 12/29/22 11:30

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/05/23 13:55	01/06/23 01:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/05/23 13:55	01/06/23 01:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/05/23 13:55	01/06/23 01:55	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		01/05/23 13:55	01/06/23 01:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/05/23 13:55	01/06/23 01:55	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/05/23 13:55	01/06/23 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/05/23 13:55	01/06/23 01:55	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/05/23 13:55	01/06/23 01:55	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			01/06/23 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/05/23 17:08	1

Method: 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		01/04/23 09:23	01/05/23 13:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 13:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	01/04/23 09:23	01/05/23 13:08	1
o-Terphenyl (Surr)	97		70 - 130	01/04/23 09:23	01/05/23 13:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	303		5.00	mg/Kg			01/06/23 17:43	1

Client Sample ID: C18 7'

Lab Sample ID: 880-23216-6

Date Collected: 12/29/22 12:00

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/05/23 13:55	01/06/23 02:20	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/05/23 13:55	01/06/23 02:20	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/05/23 13:55	01/06/23 02:20	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/05/23 13:55	01/06/23 02:20	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/05/23 13:55	01/06/23 02:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/05/23 13:55	01/06/23 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	01/05/23 13:55	01/06/23 02:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/05/23 13:55	01/06/23 02:20	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C18 7'

Lab Sample ID: 880-23216-6

Date Collected: 12/29/22 12:00

Matrix: Solid

Date Received: 01/03/23 09:08

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			01/06/23 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/05/23 17:08	1

Method: 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		01/04/23 09:23	01/05/23 13:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/04/23 09:23	01/05/23 13:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/04/23 09:23	01/05/23 13:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			01/04/23 09:23	01/05/23 13:52	1
o-Terphenyl (Surr)	109		70 - 130			01/04/23 09:23	01/05/23 13:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266		5.00	mg/Kg			01/06/23 17:58	1

Client Sample ID: C12 8'

Lab Sample ID: 880-23216-7

Date Collected: 12/30/22 14:00

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/05/23 13:55	01/06/23 02:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/05/23 13:55	01/06/23 02:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/05/23 13:55	01/06/23 02:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/05/23 13:55	01/06/23 02:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/05/23 13:55	01/06/23 02:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/05/23 13:55	01/06/23 02:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			01/05/23 13:55	01/06/23 02:46	1
1,4-Difluorobenzene (Surr)	110		70 - 130			01/05/23 13:55	01/06/23 02:46	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			01/06/23 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/05/23 17:08	1

Method: 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		01/04/23 09:23	01/05/23 14:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/04/23 09:23	01/05/23 14:14	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C12 8'

Lab Sample ID: 880-23216-7

Date Collected: 12/30/22 14:00

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/04/23 09:23	01/05/23 14:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130			01/04/23 09:23	01/05/23 14:14	1
o-Terphenyl (Surr)	116		70 - 130			01/04/23 09:23	01/05/23 14:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	485		49.7	mg/Kg			01/06/23 18:02	10

Client Sample ID: C13 9'

Lab Sample ID: 880-23216-8

Date Collected: 12/30/22 14:01

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/05/23 13:55	01/06/23 03:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/06/23 03:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/06/23 03:11	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/05/23 13:55	01/06/23 03:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/06/23 03:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/05/23 13:55	01/06/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			01/05/23 13:55	01/06/23 03:11	1
1,4-Difluorobenzene (Surr)	101		70 - 130			01/05/23 13:55	01/06/23 03:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/06/23 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/05/23 17:08	1

Method: 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		01/04/23 09:23	01/05/23 14:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 14:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 14:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			01/04/23 09:23	01/05/23 14:35	1
o-Terphenyl (Surr)	110		70 - 130			01/04/23 09:23	01/05/23 14:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	768		49.6	mg/Kg			01/06/23 18:07	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C14 9'

Lab Sample ID: 880-23216-9

Date Collected: 12/30/22 14:02

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/05/23 13:55	01/06/23 03:36	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/05/23 13:55	01/06/23 03:36	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/05/23 13:55	01/06/23 03:36	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/05/23 13:55	01/06/23 03:36	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/05/23 13:55	01/06/23 03:36	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/05/23 13:55	01/06/23 03:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/05/23 13:55	01/06/23 03:36	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/05/23 13:55	01/06/23 03:36	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			01/06/23 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/05/23 17:08	1

Method: 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		01/04/23 09:23	01/05/23 14:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 14:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130	01/04/23 09:23	01/05/23 14:56	1
o-Terphenyl (Surr)	108		70 - 130	01/04/23 09:23	01/05/23 14:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1430		50.2	mg/Kg			01/06/23 18:12	10

Client Sample ID: C11 4'

Lab Sample ID: 880-23216-10

Date Collected: 12/29/22 10:15

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/05/23 13:55	01/06/23 04:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/06/23 04:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/06/23 04:02	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/05/23 13:55	01/06/23 04:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/06/23 04:02	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/05/23 13:55	01/06/23 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/05/23 13:55	01/06/23 04:02	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/05/23 13:55	01/06/23 04:02	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C11 4'

Lab Sample ID: 880-23216-10

Date Collected: 12/29/22 10:15

Matrix: Solid

Date Received: 01/03/23 09:08

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			01/06/23 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/06/23 13:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 15:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 15:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 15:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			01/04/23 09:23	01/05/23 15:40	1
o-Terphenyl (Surr)	103		70 - 130			01/04/23 09:23	01/05/23 15:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1060		50.5	mg/Kg			01/06/23 18:17	10

Client Sample ID: C15 7'

Lab Sample ID: 880-23216-11

Date Collected: 12/30/22 09:00

Matrix: Solid

Date Received: 01/03/23 09:08

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		01/05/23 13:55	01/06/23 04:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/05/23 13:55	01/06/23 04:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/05/23 13:55	01/06/23 04:27	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/05/23 13:55	01/06/23 04:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/05/23 13:55	01/06/23 04:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/05/23 13:55	01/06/23 04:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			01/05/23 13:55	01/06/23 04:27	1
1,4-Difluorobenzene (Surr)	94		70 - 130			01/05/23 13:55	01/06/23 04:27	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			01/06/23 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/06/23 13:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 16:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 16:03	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C15 7'
Date Collected: 12/30/22 09:00
Date Received: 01/03/23 09:08

Lab Sample ID: 880-23216-11
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/04/23 09:23	01/05/23 16:03	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	110		70 - 130			01/04/23 09:23	01/05/23 16:03	1	
o-Terphenyl (Surr)	103		70 - 130			01/04/23 09:23	01/05/23 16:03	1	

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	420		50.4	mg/Kg			01/06/23 18:22	10	

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

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)
880-23216-1	C19 5'	118	104
880-23216-2	C16 5'	70	88
880-23216-3	SW7 0-5'	78	91
880-23216-4	C8 6'	70	85
880-23216-5	C9 6'	98	103
880-23216-6	C18 7'	90	101
880-23216-7	C12 8'	96	110
880-23216-8	C13 9'	96	101
880-23216-9	C14 9'	105	101
880-23216-10	C11 4'	94	101
880-23216-11	C15 7'	86	94
LCS 880-43080/1-A	Lab Control Sample	101	92
LCS 880-43276/1-A	Lab Control Sample	88	105
LCSD 880-43080/2-A	Lab Control Sample Dup	101	94
LCSD 880-43276/2-A	Lab Control Sample Dup	96	107
MB 880-42893/5-A	Method Blank	102	86
MB 880-43080/5-A	Method Blank	99	88
MB 880-43276/5-A	Method Blank	57 S1-	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)
880-23216-1	C19 5'	109	102
880-23216-1 MS	C19 5'	88	81
880-23216-1 MSD	C19 5'	87	81
880-23216-2	C16 5'	120	116
880-23216-3	SW7 0-5'	128	115
880-23216-4	C8 6'	107	100
880-23216-5	C9 6'	103	97
880-23216-6	C18 7'	118	109
880-23216-7	C12 8'	126	116
880-23216-8	C13 9'	119	110
880-23216-9	C14 9'	116	108
880-23216-10	C11 4'	111	103
880-23216-11	C15 7'	110	103
LCS 880-43130/2-A	Lab Control Sample	94	89
LCSD 880-43130/3-A	Lab Control Sample Dup	108	89
MB 880-43130/1-A	Method Blank	107	104
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42893/5-A

Matrix: Solid

Analysis Batch: 43041

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42893

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/29/22 13:04	01/03/23 14:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/29/22 13:04	01/03/23 14:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/29/22 13:04	01/03/23 14:20	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/29/22 13:04	01/03/23 14:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/29/22 13:04	01/03/23 14:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/29/22 13:04	01/03/23 14:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/29/22 13:04	01/03/23 14:20	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/29/22 13:04	01/03/23 14:20	1

Lab Sample ID: MB 880-43080/5-A

Matrix: Solid

Analysis Batch: 43041

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43080

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/03/23 13:11	01/04/23 01:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/03/23 13:11	01/04/23 01:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/03/23 13:11	01/04/23 01:05	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/03/23 13:11	01/04/23 01:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/03/23 13:11	01/04/23 01:05	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/03/23 13:11	01/04/23 01:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/03/23 13:11	01/04/23 01:05	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/03/23 13:11	01/04/23 01:05	1

Lab Sample ID: LCS 880-43080/1-A

Matrix: Solid

Analysis Batch: 43041

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08942		mg/Kg		89	70 - 130
Toluene	0.100	0.08992		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08518		mg/Kg		85	70 - 130
m,p-Xylenes	0.200	0.1838		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09273		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-43080/2-A

Matrix: Solid

Analysis Batch: 43041

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43080

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09218		mg/Kg		92	70 - 130	3	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-43080/2-A

Matrix: Solid

Analysis Batch: 43041

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43080

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09272		mg/Kg		93	70 - 130	3	35
Ethylbenzene	0.100	0.08599		mg/Kg		86	70 - 130	1	35
m,p-Xylenes	0.200	0.1835		mg/Kg		92	70 - 130	0	35
o-Xylene	0.100	0.09268		mg/Kg		93	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-43276/5-A

Matrix: Solid

Analysis Batch: 43290

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43276

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/05/23 18:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/05/23 18:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/05/23 18:45	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/05/23 13:55	01/05/23 18:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/05/23 13:55	01/05/23 18:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/05/23 13:55	01/05/23 18:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130	01/05/23 13:55	01/05/23 18:45	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/05/23 13:55	01/05/23 18:45	1

Lab Sample ID: LCS 880-43276/1-A

Matrix: Solid

Analysis Batch: 43290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09927		mg/Kg		99	70 - 130
Toluene	0.100	0.09850		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130
m,p-Xylenes	0.200	0.2117		mg/Kg		106	70 - 130
o-Xylene	0.100	0.09896		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-43276/2-A

Matrix: Solid

Analysis Batch: 43290

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43276

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	4	35
Toluene	0.100	0.09013		mg/Kg		90	70 - 130	9	35
Ethylbenzene	0.100	0.1002		mg/Kg		100	70 - 130	1	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-43276/2-A

Matrix: Solid

Analysis Batch: 43290

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43276

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	0.200	0.2118		mg/Kg		106	70 - 130	0	35
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130	3	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	96		70 - 130						
1,4-Difluorobenzene (Surr)	107		70 - 130						

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-43130/1-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43130

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		01/04/23 09:23	01/05/23 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/04/23 09:23	01/05/23 08:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/04/23 09:23	01/05/23 08:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	107		70 - 130	01/04/23 09:23	01/05/23 08:23	1		
o-Terphenyl (Surr)	104		70 - 130	01/04/23 09:23	01/05/23 08:23	1		

Lab Sample ID: LCS 880-43130/2-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	923.7		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	854.4		mg/Kg		85	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	94		70 - 130						
o-Terphenyl (Surr)	89		70 - 130						

Lab Sample ID: LCSD 880-43130/3-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43130

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	825.3		mg/Kg		83	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	783.0		mg/Kg		78	70 - 130	9	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-43130/3-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43130

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	89		70 - 130

Lab Sample ID: 880-23216-1 MS

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: C19 5'

Prep Type: Total/NA

Prep Batch: 43130

	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	999	930.6		mg/Kg		93	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	924.9		mg/Kg		93	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	88		70 - 130							
o-Terphenyl (Surr)	81		70 - 130							

Lab Sample ID: 880-23216-1 MSD

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: C19 5'

Prep Type: Total/NA

Prep Batch: 43130

	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	999	933.2		mg/Kg		93	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	914.9		mg/Kg		92	70 - 130	1	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	87		70 - 130									
o-Terphenyl (Surr)	81		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43075/1-A

Matrix: Solid

Analysis Batch: 43283

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			01/06/23 12:48		1	

Lab Sample ID: LCS 880-43075/2-A

Matrix: Solid

Analysis Batch: 43283

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	268.8		mg/Kg		108	90 - 110			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-43075/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 43283											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	270.3		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 880-23216-3 MS				Client Sample ID: SW7 0-5'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 43283											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	98.7	F1	251	408.5	F1	mg/Kg		123	90 - 110		

Lab Sample ID: 880-23216-3 MSD				Client Sample ID: SW7 0-5'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 43283											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	98.7	F1	251	408.4	F1	mg/Kg		123	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

GC VOA

Prep Batch: 42893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42893/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 43041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-1	C19 5'	Total/NA	Solid	8021B	43080
MB 880-42893/5-A	Method Blank	Total/NA	Solid	8021B	42893
MB 880-43080/5-A	Method Blank	Total/NA	Solid	8021B	43080
LCS 880-43080/1-A	Lab Control Sample	Total/NA	Solid	8021B	43080
LCSD 880-43080/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43080

Prep Batch: 43080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-1	C19 5'	Total/NA	Solid	5035	
MB 880-43080/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43080/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43080/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 43172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-1	C19 5'	Total/NA	Solid	Total BTEX	
880-23216-2	C16 5'	Total/NA	Solid	Total BTEX	
880-23216-3	SW7 0-5'	Total/NA	Solid	Total BTEX	
880-23216-4	C8 6'	Total/NA	Solid	Total BTEX	
880-23216-5	C9 6'	Total/NA	Solid	Total BTEX	
880-23216-6	C18 7'	Total/NA	Solid	Total BTEX	
880-23216-7	C12 8'	Total/NA	Solid	Total BTEX	
880-23216-8	C13 9'	Total/NA	Solid	Total BTEX	
880-23216-9	C14 9'	Total/NA	Solid	Total BTEX	
880-23216-10	C11 4'	Total/NA	Solid	Total BTEX	
880-23216-11	C15 7'	Total/NA	Solid	Total BTEX	

Prep Batch: 43276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-2	C16 5'	Total/NA	Solid	5035	
880-23216-3	SW7 0-5'	Total/NA	Solid	5035	
880-23216-4	C8 6'	Total/NA	Solid	5035	
880-23216-5	C9 6'	Total/NA	Solid	5035	
880-23216-6	C18 7'	Total/NA	Solid	5035	
880-23216-7	C12 8'	Total/NA	Solid	5035	
880-23216-8	C13 9'	Total/NA	Solid	5035	
880-23216-9	C14 9'	Total/NA	Solid	5035	
880-23216-10	C11 4'	Total/NA	Solid	5035	
880-23216-11	C15 7'	Total/NA	Solid	5035	
MB 880-43276/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43276/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43276/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 43290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-2	C16 5'	Total/NA	Solid	8021B	43276
880-23216-3	SW7 0-5'	Total/NA	Solid	8021B	43276

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 43290 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-4	C8 6'	Total/NA	Solid	8021B	43276
880-23216-5	C9 6'	Total/NA	Solid	8021B	43276
880-23216-6	C18 7'	Total/NA	Solid	8021B	43276
880-23216-7	C12 8'	Total/NA	Solid	8021B	43276
880-23216-8	C13 9'	Total/NA	Solid	8021B	43276
880-23216-9	C14 9'	Total/NA	Solid	8021B	43276
880-23216-10	C11 4'	Total/NA	Solid	8021B	43276
880-23216-11	C15 7'	Total/NA	Solid	8021B	43276
MB 880-43276/5-A	Method Blank	Total/NA	Solid	8021B	43276
LCS 880-43276/1-A	Lab Control Sample	Total/NA	Solid	8021B	43276
LCSD 880-43276/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43276

GC Semi VOA

Prep Batch: 43130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-1	C19 5'	Total/NA	Solid	8015NM Prep	
880-23216-2	C16 5'	Total/NA	Solid	8015NM Prep	
880-23216-3	SW7 0-5'	Total/NA	Solid	8015NM Prep	
880-23216-4	C8 6'	Total/NA	Solid	8015NM Prep	
880-23216-5	C9 6'	Total/NA	Solid	8015NM Prep	
880-23216-6	C18 7'	Total/NA	Solid	8015NM Prep	
880-23216-7	C12 8'	Total/NA	Solid	8015NM Prep	
880-23216-8	C13 9'	Total/NA	Solid	8015NM Prep	
880-23216-9	C14 9'	Total/NA	Solid	8015NM Prep	
880-23216-10	C11 4'	Total/NA	Solid	8015NM Prep	
880-23216-11	C15 7'	Total/NA	Solid	8015NM Prep	
MB 880-43130/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43130/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43130/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23216-1 MS	C19 5'	Total/NA	Solid	8015NM Prep	
880-23216-1 MSD	C19 5'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-1	C19 5'	Total/NA	Solid	8015B NM	43130
880-23216-2	C16 5'	Total/NA	Solid	8015B NM	43130
880-23216-3	SW7 0-5'	Total/NA	Solid	8015B NM	43130
880-23216-4	C8 6'	Total/NA	Solid	8015B NM	43130
880-23216-5	C9 6'	Total/NA	Solid	8015B NM	43130
880-23216-6	C18 7'	Total/NA	Solid	8015B NM	43130
880-23216-7	C12 8'	Total/NA	Solid	8015B NM	43130
880-23216-8	C13 9'	Total/NA	Solid	8015B NM	43130
880-23216-9	C14 9'	Total/NA	Solid	8015B NM	43130
880-23216-10	C11 4'	Total/NA	Solid	8015B NM	43130
880-23216-11	C15 7'	Total/NA	Solid	8015B NM	43130
MB 880-43130/1-A	Method Blank	Total/NA	Solid	8015B NM	43130
LCS 880-43130/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43130
LCSD 880-43130/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43130
880-23216-1 MS	C19 5'	Total/NA	Solid	8015B NM	43130
880-23216-1 MSD	C19 5'	Total/NA	Solid	8015B NM	43130

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

GC Semi VOA

Analysis Batch: 43313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-1	C19 5'	Total/NA	Solid	8015 NM	
880-23216-2	C16 5'	Total/NA	Solid	8015 NM	
880-23216-3	SW7 0-5'	Total/NA	Solid	8015 NM	
880-23216-4	C8 6'	Total/NA	Solid	8015 NM	
880-23216-5	C9 6'	Total/NA	Solid	8015 NM	
880-23216-6	C18 7'	Total/NA	Solid	8015 NM	
880-23216-7	C12 8'	Total/NA	Solid	8015 NM	
880-23216-8	C13 9'	Total/NA	Solid	8015 NM	
880-23216-9	C14 9'	Total/NA	Solid	8015 NM	
880-23216-10	C11 4'	Total/NA	Solid	8015 NM	
880-23216-11	C15 7'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-1	C19 5'	Soluble	Solid	DI Leach	
880-23216-2	C16 5'	Soluble	Solid	DI Leach	
880-23216-3	SW7 0-5'	Soluble	Solid	DI Leach	
880-23216-4	C8 6'	Soluble	Solid	DI Leach	
880-23216-5	C9 6'	Soluble	Solid	DI Leach	
880-23216-6	C18 7'	Soluble	Solid	DI Leach	
880-23216-7	C12 8'	Soluble	Solid	DI Leach	
880-23216-8	C13 9'	Soluble	Solid	DI Leach	
880-23216-9	C14 9'	Soluble	Solid	DI Leach	
880-23216-10	C11 4'	Soluble	Solid	DI Leach	
880-23216-11	C15 7'	Soluble	Solid	DI Leach	
MB 880-43075/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43075/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43075/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23216-3 MS	SW7 0-5'	Soluble	Solid	DI Leach	
880-23216-3 MSD	SW7 0-5'	Soluble	Solid	DI Leach	

Analysis Batch: 43283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23216-1	C19 5'	Soluble	Solid	300.0	43075
880-23216-2	C16 5'	Soluble	Solid	300.0	43075
880-23216-3	SW7 0-5'	Soluble	Solid	300.0	43075
880-23216-4	C8 6'	Soluble	Solid	300.0	43075
880-23216-5	C9 6'	Soluble	Solid	300.0	43075
880-23216-6	C18 7'	Soluble	Solid	300.0	43075
880-23216-7	C12 8'	Soluble	Solid	300.0	43075
880-23216-8	C13 9'	Soluble	Solid	300.0	43075
880-23216-9	C14 9'	Soluble	Solid	300.0	43075
880-23216-10	C11 4'	Soluble	Solid	300.0	43075
880-23216-11	C15 7'	Soluble	Solid	300.0	43075
MB 880-43075/1-A	Method Blank	Soluble	Solid	300.0	43075
LCS 880-43075/2-A	Lab Control Sample	Soluble	Solid	300.0	43075
LCSD 880-43075/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43075
880-23216-3 MS	SW7 0-5'	Soluble	Solid	300.0	43075
880-23216-3 MSD	SW7 0-5'	Soluble	Solid	300.0	43075

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C19 5'

Lab Sample ID: 880-23216-1

Date Collected: 12/27/22 11:50

Matrix: Solid

Date Received: 01/03/23 09:08

Prep 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	43080	01/03/23 13:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43041	01/04/23 10:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/04/23 14:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43313	01/05/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 10:57	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		10			43283	01/06/23 17:13	CH	EET MID

Client Sample ID: C16 5'

Lab Sample ID: 880-23216-2

Date Collected: 12/28/22 10:30

Matrix: Solid

Date Received: 01/03/23 09:08

Prep 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	43276	01/05/23 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43290	01/06/23 00:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/06/23 13:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43313	01/05/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 12:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		10			43283	01/06/23 17:18	CH	EET MID

Client Sample ID: SW7 0-5'

Lab Sample ID: 880-23216-3

Date Collected: 12/28/22 12:00

Matrix: Solid

Date Received: 01/03/23 09:08

Prep 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	43276	01/05/23 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43290	01/06/23 01:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/06/23 13:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43313	01/05/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 12:25	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		1			43283	01/06/23 17:23	CH	EET MID

Client Sample ID: C8 6'

Lab Sample ID: 880-23216-4

Date Collected: 12/29/22 10:00

Matrix: Solid

Date Received: 01/03/23 09:08

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	43276	01/05/23 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43290	01/06/23 01:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/06/23 13:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C8 6'

Lab Sample ID: 880-23216-4

Date Collected: 12/29/22 10:00

Matrix: Solid

Date Received: 01/03/23 09:08

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			43313	01/05/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 12:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		10			43283	01/06/23 17:38	CH	EET MID

Client Sample ID: C9 6'

Lab Sample ID: 880-23216-5

Date Collected: 12/29/22 11:30

Matrix: Solid

Date Received: 01/03/23 09:08

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	43276	01/05/23 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43290	01/06/23 01:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/06/23 13:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43313	01/05/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 13:08	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		1			43283	01/06/23 17:43	CH	EET MID

Client Sample ID: C18 7'

Lab Sample ID: 880-23216-6

Date Collected: 12/29/22 12:00

Matrix: Solid

Date Received: 01/03/23 09:08

Prep 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	43276	01/05/23 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43290	01/06/23 02:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/06/23 13:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43313	01/05/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 13:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		1			43283	01/06/23 17:58	CH	EET MID

Client Sample ID: C12 8'

Lab Sample ID: 880-23216-7

Date Collected: 12/30/22 14:00

Matrix: Solid

Date Received: 01/03/23 09:08

Prep 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	43276	01/05/23 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43290	01/06/23 02:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/06/23 13:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43313	01/05/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 14:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C12 8'

Lab Sample ID: 880-23216-7

Date Collected: 12/30/22 14:00

Matrix: Solid

Date Received: 01/03/23 09:08

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	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		10			43283	01/06/23 18:02	CH	EET MID

Client Sample ID: C13 9'

Lab Sample ID: 880-23216-8

Date Collected: 12/30/22 14:01

Matrix: Solid

Date Received: 01/03/23 09:08

Prep 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	43276	01/05/23 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43290	01/06/23 03:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/06/23 13:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43313	01/05/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 14:35	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		10			43283	01/06/23 18:07	CH	EET MID

Client Sample ID: C14 9'

Lab Sample ID: 880-23216-9

Date Collected: 12/30/22 14:02

Matrix: Solid

Date Received: 01/03/23 09:08

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	43276	01/05/23 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43290	01/06/23 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/06/23 13:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43313	01/05/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 14:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		10			43283	01/06/23 18:12	CH	EET MID

Client Sample ID: C11 4'

Lab Sample ID: 880-23216-10

Date Collected: 12/29/22 10:15

Matrix: Solid

Date Received: 01/03/23 09:08

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	43276	01/05/23 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43290	01/06/23 04:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/06/23 13:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43313	01/06/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 15:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		10			43283	01/06/23 18:17	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Client Sample ID: C15 7'
Date Collected: 12/30/22 09:00
Date Received: 01/03/23 09:08

Lab Sample ID: 880-23216-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43276	01/05/23 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43290	01/06/23 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43172	01/06/23 13:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43313	01/06/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43130	01/04/23 09:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/05/23 16:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43075	01/03/23 12:04	KS	EET MID
Soluble	Analysis	300.0		10			43283	01/06/23 18:22	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: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

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: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

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: Hay Hurst Pond 2

Job ID: 880-23216-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23216-1	C19 5'	Solid	12/27/22 11:50	01/03/23 09:08
880-23216-2	C16 5'	Solid	12/28/22 10:30	01/03/23 09:08
880-23216-3	SW7 0-5'	Solid	12/28/22 12:00	01/03/23 09:08
880-23216-4	C8 6'	Solid	12/29/22 10:00	01/03/23 09:08
880-23216-5	C9 6'	Solid	12/29/22 11:30	01/03/23 09:08
880-23216-6	C18 7'	Solid	12/29/22 12:00	01/03/23 09:08
880-23216-7	C12 8'	Solid	12/30/22 14:00	01/03/23 09:08
880-23216-8	C13 9'	Solid	12/30/22 14:01	01/03/23 09:08
880-23216-9	C14 9'	Solid	12/30/22 14:02	01/03/23 09:08
880-23216-10	C11 4'	Solid	12/29/22 10:15	01/03/23 09:08
880-23216-11	C15 7'	Solid	12/30/22 09:00	01/03/23 09:08

23216 No 1729

CHAIN-OF-CUSTODY

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-23216-1

SDG Number: 22-0107-01

Login Number: 23216

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
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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 1/30/2023 4:43:45 PM Revision 1

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0107-01

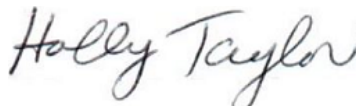
JOB NUMBER

880-23434-1

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
1/30/2023 4:43:45 PM
Revision 1

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Laboratory Job ID: 880-23434-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

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
*1	LCS/LCSD 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: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Job ID: 880-23434-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-23434-1

Revision

The report being provided is a revision of the original report sent on 1/17/2023. The report (revision 1) is being revised to change sample IDs per Robert Nelso (email).

Receipt

The samples were received on 1/9/2023 8:15 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 was 0.1° C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C15 (880-23434-1), C17 (880-23434-2), C11 (880-23434-3), C231 (880-23434-4), C232 (880-23434-5), C10 (880-23434-6), SW5 (880-23434-7), C233 (880-23434-8), C234 (880-23434-9), C2 (880-23434-10), C1 (880-23434-11), SW26 (880-23434-12), SW27 (880-23434-13), C226 (880-23434-14), C227 (880-23434-15), C228 (880-23434-16), C229 (880-23434-17), C230 (880-23434-18), C205 (880-23434-19), C206 (880-23434-20), C207 (880-23434-21), C208 (880-23434-22), C209 (880-23434-23), SW28 (880-23434-24), SW29 (880-23434-25), C210 (880-23434-26), C211 (880-23434-27), C212 (880-23434-28), C213 (880-23434-29), C214 (880-23434-30), C215 (880-23434-31), C216 (880-23434-32), C217 (880-23434-33), C218 (880-23434-34), C219 (880-23434-35), C220 (880-23434-36), C221 (880-23434-37), C222 (880-23434-38), C223 (880-23434-39), C224 (880-23434-40), C225 (880-23434-41), C28 (880-23434-42), C29 (880-23434-43), C30 (880-23434-44), C33 (880-23434-45), C39 (880-23434-46), C40 (880-23434-47), C48 (880-23434-48), C49 (880-23434-49), C50 (880-23434-50), C51 (880-23434-51), C53 (880-23434-52), C54 (880-23434-53) and C55 (880-23434-54).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-43785 recovered above the upper control limit for o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-43785/20).

Method 8021B: Surrogate recovery for the following sample was outside control limits: C17 (880-23434-2). 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 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-43713 and analytical batch 880-43779 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-43713/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: C208 (880-23434-22), C223 (880-23434-39) and (MB 880-43765/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: C225 (880-23434-41), C30 (880-23434-44) and (MB 880-43793/1-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43643 and 880-43643 and analytical batch 880-43871 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.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Job ID: 880-23434-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43644 and analytical batch 880-43873 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 880-43645 and analytical batch 880-43875 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C15

Lab Sample ID: 880-23434-1

Date Collected: 01/03/23 13:45

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 11:42	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:55	01/12/23 11:42	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:55	01/12/23 11:42	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/09/23 12:55	01/12/23 11:42	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:55	01/12/23 11:42	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/09/23 12:55	01/12/23 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/09/23 12:55	01/12/23 11:42	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/09/23 12:55	01/12/23 11:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 11:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 11:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	01/11/23 15:28	01/14/23 11:51	1
o-Terphenyl (Surr)	102		70 - 130	01/11/23 15:28	01/14/23 11:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1020	F1	50.3	mg/Kg			01/13/23 11:35	10

Client Sample ID: C17

Lab Sample ID: 880-23434-2

Date Collected: 01/03/23 13:46

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 12:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 12:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 12:02	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/09/23 12:55	01/12/23 12:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 12:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/09/23 12:55	01/12/23 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	01/09/23 12:55	01/12/23 12:02	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	01/09/23 12:55	01/12/23 12:02	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C17

Lab Sample ID: 880-23434-2

Date Collected: 01/03/23 13:46

Matrix: Solid

Date Received: 01/09/23 08:15

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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/11/23 15:28	01/14/23 12:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/11/23 15:28	01/14/23 12:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/11/23 15:28	01/14/23 12:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			01/11/23 15:28	01/14/23 12:57	1
o-Terphenyl (Surr)	94		70 - 130			01/11/23 15:28	01/14/23 12:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		50.0	mg/Kg			01/13/23 11:54	10

Client Sample ID: C11

Lab Sample ID: 880-23434-3

Date Collected: 01/03/23 13:47

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 12:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 12:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 12:23	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/09/23 12:55	01/12/23 12:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 12:23	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/09/23 12:55	01/12/23 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			01/09/23 12:55	01/12/23 12:23	1
1,4-Difluorobenzene (Surr)	93		70 - 130			01/09/23 12:55	01/12/23 12:23	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 13:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 13:19	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C11

Lab Sample ID: 880-23434-3

Date Collected: 01/03/23 13:47

Matrix: Solid

Date Received: 01/09/23 08:15

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 13:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			01/11/23 15:28	01/14/23 13:19	1
o-Terphenyl (Surr)	91		70 - 130			01/11/23 15:28	01/14/23 13:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1430		49.7	mg/Kg			01/13/23 12:00	10

Client Sample ID: C231

Lab Sample ID: 880-23434-4

Date Collected: 01/04/23 10:00

Matrix: Solid

Date Received: 01/09/23 08:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 12:43	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 12:43	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 12:43	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		01/09/23 12:55	01/12/23 12:43	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 12:43	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/09/23 12:55	01/12/23 12:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			01/09/23 12:55	01/12/23 12:43	1
1,4-Difluorobenzene (Surr)	92		70 - 130			01/09/23 12:55	01/12/23 12:43	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/11/23 15:28	01/14/23 13:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/11/23 15:28	01/14/23 13:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/11/23 15:28	01/14/23 13:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			01/11/23 15:28	01/14/23 13:40	1
o-Terphenyl (Surr)	88		70 - 130			01/11/23 15:28	01/14/23 13:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	898		50.5	mg/Kg			01/13/23 12:06	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C232

Lab Sample ID: 880-23434-5

Date Collected: 01/04/23 10:01

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 13:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 13:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 13:04	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 13:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 13:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/09/23 12:55	01/12/23 13:04	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/09/23 12:55	01/12/23 13:04	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 14:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 14:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	01/11/23 15:28	01/14/23 14:01	1
o-Terphenyl (Surr)	97		70 - 130	01/11/23 15:28	01/14/23 14:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	286		4.99	mg/Kg			01/13/23 12:12	1

Client Sample ID: C10

Lab Sample ID: 880-23434-6

Date Collected: 01/04/23 10:02

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 13:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 13:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 13:24	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 13:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 13:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/09/23 12:55	01/12/23 13:24	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/09/23 12:55	01/12/23 13:24	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C10

Lab Sample ID: 880-23434-6

Date Collected: 01/04/23 10:02

Matrix: Solid

Date Received: 01/09/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 14:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 14:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 14:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			01/11/23 15:28	01/14/23 14:23	1
o-Terphenyl (Surr)	96		70 - 130			01/11/23 15:28	01/14/23 14:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		50.1	mg/Kg			01/13/23 12:31	10

Client Sample ID: SW5

Lab Sample ID: 880-23434-7

Date Collected: 01/04/23 12:30

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 13:45	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:55	01/12/23 13:45	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:55	01/12/23 13:45	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/09/23 12:55	01/12/23 13:45	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:55	01/12/23 13:45	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/09/23 12:55	01/12/23 13:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			01/09/23 12:55	01/12/23 13:45	1
1,4-Difluorobenzene (Surr)	85		70 - 130			01/09/23 12:55	01/12/23 13:45	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 14:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 14:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: SW5

Date Collected: 01/04/23 12:30

Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-7

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 14:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			01/11/23 15:28	01/14/23 14:44	1
o-Terphenyl (Surr)	97		70 - 130			01/11/23 15:28	01/14/23 14:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5480		100	mg/Kg			01/13/23 12:37	20

Client Sample ID: C233

Date Collected: 01/04/23 12:31

Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-8

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 14:05	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 14:05	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 14:05	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/09/23 12:55	01/12/23 14:05	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 14:05	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/09/23 12:55	01/12/23 14:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			01/09/23 12:55	01/12/23 14:05	1
1,4-Difluorobenzene (Surr)	83		70 - 130			01/09/23 12:55	01/12/23 14:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 15:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 15:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 15:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			01/11/23 15:28	01/14/23 15:06	1
o-Terphenyl (Surr)	88		70 - 130			01/11/23 15:28	01/14/23 15:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1520		50.3	mg/Kg			01/13/23 12:43	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C234

Lab Sample ID: 880-23434-9

Date Collected: 01/04/23 12:32

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 14:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 14:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 14:26	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/09/23 12:55	01/12/23 14:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 14:26	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/09/23 12:55	01/12/23 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/09/23 12:55	01/12/23 14:26	1
1,4-Difluorobenzene (Surr)	76		70 - 130	01/09/23 12:55	01/12/23 14:26	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 15:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 15:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	01/11/23 15:28	01/14/23 15:27	1
o-Terphenyl (Surr)	103		70 - 130	01/11/23 15:28	01/14/23 15:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	231		5.01	mg/Kg			01/13/23 12:50	1

Client Sample ID: C2

Lab Sample ID: 880-23434-10

Date Collected: 01/05/23 08:00

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 14:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 14:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 14:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 14:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 14:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/09/23 12:55	01/12/23 14:46	1
1,4-Difluorobenzene (Surr)	85		70 - 130	01/09/23 12:55	01/12/23 14:46	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C2

Lab Sample ID: 880-23434-10

Date Collected: 01/05/23 08:00

Matrix: Solid

Date Received: 01/09/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 15:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 15:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 15:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/11/23 15:28	01/14/23 15:49	1
o-Terphenyl (Surr)	99		70 - 130			01/11/23 15:28	01/14/23 15:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		50.0	mg/Kg			01/13/23 12:56	10

Client Sample ID: C1

Lab Sample ID: 880-23434-11

Date Collected: 01/05/23 10:45

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 16:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 16:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 16:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 16:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 16:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 16:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			01/09/23 12:55	01/12/23 16:09	1
1,4-Difluorobenzene (Surr)	95		70 - 130			01/09/23 12:55	01/12/23 16:09	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 16:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 16:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C1

Lab Sample ID: 880-23434-11

Date Collected: 01/05/23 10:45

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/11/23 15:28	01/14/23 16:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/11/23 15:28	01/14/23 16:32	1
o-Terphenyl (Surr)	99		70 - 130			01/11/23 15:28	01/14/23 16:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1510	F1	50.0	mg/Kg			01/13/23 13:02	10

Client Sample ID: SW26

Lab Sample ID: 880-23434-12

Date Collected: 01/05/23 12:00

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 16:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 16:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 16:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 16:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 16:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 16:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			01/09/23 12:55	01/12/23 16:29	1
1,4-Difluorobenzene (Surr)	92		70 - 130			01/09/23 12:55	01/12/23 16:29	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 16:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 16:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			01/11/23 15:28	01/14/23 16:54	1
o-Terphenyl (Surr)	86		70 - 130			01/11/23 15:28	01/14/23 16:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2620		50.4	mg/Kg			01/13/23 13:20	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: SW27

Lab Sample ID: 880-23434-13

Date Collected: 01/05/23 12:01

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 16:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 16:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 16:50	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/09/23 12:55	01/12/23 16:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 16:50	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/09/23 12:55	01/12/23 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	01/09/23 12:55	01/12/23 16:50	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/09/23 12:55	01/12/23 16:50	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 17:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 17:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	01/11/23 15:28	01/14/23 17:15	1
o-Terphenyl (Surr)	89		70 - 130	01/11/23 15:28	01/14/23 17:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2650		50.0	mg/Kg			01/13/23 13:27	10

Client Sample ID: C226

Lab Sample ID: 880-23434-14

Date Collected: 01/05/23 12:02

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 17:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 17:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 17:10	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/09/23 12:55	01/12/23 17:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 17:10	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/09/23 12:55	01/12/23 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/09/23 12:55	01/12/23 17:10	1
1,4-Difluorobenzene (Surr)	74		70 - 130	01/09/23 12:55	01/12/23 17:10	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C226

Lab Sample ID: 880-23434-14

Date Collected: 01/05/23 12:02

Matrix: Solid

Date Received: 01/09/23 08:15

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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	86.0		49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 17:36	1
Diesel Range Organics (Over C10-C28)	86.0		49.9	mg/Kg		01/11/23 15:28	01/14/23 17:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 17:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			01/11/23 15:28	01/14/23 17:36	1
o-Terphenyl (Surr)	97		70 - 130			01/11/23 15:28	01/14/23 17:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	291		4.98	mg/Kg			01/13/23 13:45	1

Client Sample ID: C227

Lab Sample ID: 880-23434-15

Date Collected: 01/05/23 12:03

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 17:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 17:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 17:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 17:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 17:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 17:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			01/09/23 12:55	01/12/23 17:31	1
1,4-Difluorobenzene (Surr)	76		70 - 130			01/09/23 12:55	01/12/23 17:31	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 17:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 17:58	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C227

Lab Sample ID: 880-23434-15

Date Collected: 01/05/23 12:03

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/11/23 15:28	01/14/23 17:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			01/11/23 15:28	01/14/23 17:58	1
o-Terphenyl (Surr)	89		70 - 130			01/11/23 15:28	01/14/23 17:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		4.99	mg/Kg			01/13/23 13:51	1

Client Sample ID: C228

Lab Sample ID: 880-23434-16

Date Collected: 01/05/23 12:04

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 17:51	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:55	01/12/23 17:51	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:55	01/12/23 17:51	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/09/23 12:55	01/12/23 17:51	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:55	01/12/23 17:51	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/09/23 12:55	01/12/23 17:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			01/09/23 12:55	01/12/23 17:51	1
1,4-Difluorobenzene (Surr)	82		70 - 130			01/09/23 12:55	01/12/23 17:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 18:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 18:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 18:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			01/11/23 15:28	01/14/23 18:19	1
o-Terphenyl (Surr)	94		70 - 130			01/11/23 15:28	01/14/23 18:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		5.00	mg/Kg			01/13/23 13:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C229

Lab Sample ID: 880-23434-17

Date Collected: 01/05/23 12:05

Matrix: Solid

Date Received: 01/09/23 08:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 18:12	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 18:12	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 18:12	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/09/23 12:55	01/12/23 18:12	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 18:12	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/09/23 12:55	01/12/23 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	01/09/23 12:55	01/12/23 18:12	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/09/23 12:55	01/12/23 18:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 18:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 18:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:28	01/14/23 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	01/11/23 15:28	01/14/23 18:41	1
o-Terphenyl (Surr)	98		70 - 130	01/11/23 15:28	01/14/23 18:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.99	mg/Kg			01/13/23 14:04	1

Client Sample ID: C230

Lab Sample ID: 880-23434-18

Date Collected: 01/05/23 12:06

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 18:32	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 18:32	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 18:32	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 18:32	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 18:32	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/09/23 12:55	01/12/23 18:32	1
1,4-Difluorobenzene (Surr)	86		70 - 130	01/09/23 12:55	01/12/23 18:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C230

Lab Sample ID: 880-23434-18

Date Collected: 01/05/23 12:06

Matrix: Solid

Date Received: 01/09/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 19:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			01/11/23 15:28	01/14/23 19:03	1
o-Terphenyl (Surr)	90		70 - 130			01/11/23 15:28	01/14/23 19:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		5.01	mg/Kg			01/13/23 14:10	1

Client Sample ID: C205

Lab Sample ID: 880-23434-19

Date Collected: 01/05/23 12:07

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:55	01/12/23 18:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 18:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 18:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 18:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:55	01/12/23 18:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:55	01/12/23 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			01/09/23 12:55	01/12/23 18:53	1
1,4-Difluorobenzene (Surr)	90		70 - 130			01/09/23 12:55	01/12/23 18:53	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.2		50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 19:24	1
Diesel Range Organics (Over C10-C28)	64.2		50.0	mg/Kg		01/11/23 15:28	01/14/23 19:24	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C205

Lab Sample ID: 880-23434-19

Date Collected: 01/05/23 12:07

Matrix: Solid

Date Received: 01/09/23 08:15

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			01/11/23 15:28	01/14/23 19:24	1
o-Terphenyl (Surr)	87		70 - 130			01/11/23 15:28	01/14/23 19:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	505		49.7	mg/Kg			01/13/23 14:16	10

Client Sample ID: C206

Lab Sample ID: 880-23434-20

Date Collected: 01/05/23 12:08

Matrix: Solid

Date Received: 01/09/23 08:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 19:13	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 19:13	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 19:13	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		01/09/23 12:55	01/12/23 19:13	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:55	01/12/23 19:13	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/09/23 12:55	01/12/23 19:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			01/09/23 12:55	01/12/23 19:13	1
1,4-Difluorobenzene (Surr)	92		70 - 130			01/09/23 12:55	01/12/23 19:13	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			01/13/23 08:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.9		50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 19:46	1
Diesel Range Organics (Over C10-C28)	71.9		50.0	mg/Kg		01/11/23 15:28	01/14/23 19:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 19:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			01/11/23 15:28	01/14/23 19:46	1
o-Terphenyl (Surr)	86		70 - 130			01/11/23 15:28	01/14/23 19:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		4.98	mg/Kg			01/13/23 14:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C207

Lab Sample ID: 880-23434-21

Date Collected: 01/05/23 12:09

Matrix: Solid

Date Received: 01/09/23 08:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:59	01/12/23 13:08	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:59	01/12/23 13:08	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:59	01/12/23 13:08	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		01/09/23 12:59	01/12/23 13:08	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/09/23 12:59	01/12/23 13:08	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/09/23 12:59	01/12/23 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	01/09/23 12:59	01/12/23 13:08	1
1,4-Difluorobenzene (Surr)	104		70 - 130	01/09/23 12:59	01/12/23 13:08	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			01/13/23 07:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.6		49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/14/23 21:33	1
Diesel Range Organics (Over C10-C28)	52.6		49.9	mg/Kg		01/11/23 15:30	01/14/23 21:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/14/23 21:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	01/11/23 15:30	01/14/23 21:33	1
o-Terphenyl (Surr)	114		70 - 130	01/11/23 15:30	01/14/23 21:33	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	321	F1	5.03	mg/Kg			01/13/23 15:36	1

Client Sample ID: C208

Lab Sample ID: 880-23434-22

Date Collected: 01/05/23 12:10

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 13:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 13:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 13:29	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/09/23 12:59	01/12/23 13:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 13:29	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/09/23 12:59	01/12/23 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	01/09/23 12:59	01/12/23 13:29	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/09/23 12:59	01/12/23 13:29	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C208

Lab Sample ID: 880-23434-22

Date Collected: 01/05/23 12:10

Matrix: Solid

Date Received: 01/09/23 08:15

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			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/11/23 15:30	01/14/23 22:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/11/23 15:30	01/14/23 22:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/11/23 15:30	01/14/23 22:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130			01/11/23 15:30	01/14/23 22:38	1
o-Terphenyl (Surr)	125		70 - 130			01/11/23 15:30	01/14/23 22:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.6		5.00	mg/Kg			01/13/23 15:55	1

Client Sample ID: C209

Lab Sample ID: 880-23434-23

Date Collected: 01/05/23 12:11

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 13:49	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:59	01/12/23 13:49	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:59	01/12/23 13:49	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/09/23 12:59	01/12/23 13:49	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:59	01/12/23 13:49	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/09/23 12:59	01/12/23 13:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			01/09/23 12:59	01/12/23 13:49	1
1,4-Difluorobenzene (Surr)	107		70 - 130			01/09/23 12:59	01/12/23 13:49	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			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/14/23 22:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/14/23 22:59	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C209

Date Collected: 01/05/23 12:11

Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-23

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/14/23 22:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			01/11/23 15:30	01/14/23 22:59	1
o-Terphenyl (Surr)	104		70 - 130			01/11/23 15:30	01/14/23 22:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		4.97	mg/Kg			01/13/23 16:40	1

Client Sample ID: SW28

Date Collected: 01/05/23 12:12

Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-24

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 14:09	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 14:09	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 14:09	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/09/23 12:59	01/12/23 14:09	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 14:09	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/09/23 12:59	01/12/23 14:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			01/09/23 12:59	01/12/23 14:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130			01/09/23 12:59	01/12/23 14:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/11/23 15:30	01/14/23 23:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/11/23 15:30	01/14/23 23:20	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/11/23 15:30	01/14/23 23:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130			01/11/23 15:30	01/14/23 23:20	1
o-Terphenyl (Surr)	123		70 - 130			01/11/23 15:30	01/14/23 23:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		5.05	mg/Kg			01/13/23 16:47	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: SW29

Lab Sample ID: 880-23434-25

Date Collected: 01/05/23 12:13

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 14:30	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 14:30	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 14:30	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/09/23 12:59	01/12/23 14:30	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 14:30	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/09/23 12:59	01/12/23 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/09/23 12:59	01/12/23 14:30	1
1,4-Difluorobenzene (Surr)	107		70 - 130	01/09/23 12:59	01/12/23 14:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/14/23 23:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/14/23 23:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/14/23 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	01/11/23 15:30	01/14/23 23:42	1
o-Terphenyl (Surr)	116		70 - 130	01/11/23 15:30	01/14/23 23:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	207		4.99	mg/Kg			01/13/23 16:53	1

Client Sample ID: C210

Lab Sample ID: 880-23434-26

Date Collected: 01/05/23 12:14

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 14:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 14:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 14:50	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 14:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 14:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	01/09/23 12:59	01/12/23 14:50	1
1,4-Difluorobenzene (Surr)	104		70 - 130	01/09/23 12:59	01/12/23 14:50	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C210

Lab Sample ID: 880-23434-26

Date Collected: 01/05/23 12:14

Matrix: Solid

Date Received: 01/09/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/13/23 07:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.9		49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 00:03	1
Diesel Range Organics (Over C10-C28)	59.9		49.9	mg/Kg		01/11/23 15:30	01/15/23 00:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 00:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			01/11/23 15:30	01/15/23 00:03	1
o-Terphenyl (Surr)	114		70 - 130			01/11/23 15:30	01/15/23 00:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	612		5.01	mg/Kg			01/13/23 17:12	1

Client Sample ID: C211

Lab Sample ID: 880-23434-27

Date Collected: 01/05/23 12:15

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 15:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 15:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 15:11	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 15:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 15:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			01/09/23 12:59	01/12/23 15:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130			01/09/23 12:59	01/12/23 15:11	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			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 00:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 00:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C211

Lab Sample ID: 880-23434-27

Date Collected: 01/05/23 12:15

Matrix: Solid

Date Received: 01/09/23 08:15

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 00:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	0	S1-	70 - 130			01/11/23 15:30	01/15/23 00:25	1
o-Terphenyl (Surr)	0	S1-	70 - 130			01/11/23 15:30	01/15/23 00:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	223		5.00	mg/Kg			01/13/23 17:18	1

Client Sample ID: C212

Lab Sample ID: 880-23434-28

Date Collected: 01/05/23 12:16

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 15:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 15:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 15:31	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/09/23 12:59	01/12/23 15:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 15:31	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/09/23 12:59	01/12/23 15:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			01/09/23 12:59	01/12/23 15:31	1
1,4-Difluorobenzene (Surr)	108		70 - 130			01/09/23 12:59	01/12/23 15:31	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			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 00:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 00:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 00:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	0	S1-	70 - 130			01/11/23 15:30	01/15/23 00:47	1
o-Terphenyl (Surr)	0	S1-	70 - 130			01/11/23 15:30	01/15/23 00:47	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		5.02	mg/Kg			01/13/23 17:24	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C213

Lab Sample ID: 880-23434-29

Date Collected: 01/05/23 12:17

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 15:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 15:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 15:52	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/09/23 12:59	01/12/23 15:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 15:52	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/09/23 12:59	01/12/23 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	01/09/23 12:59	01/12/23 15:52	1
1,4-Difluorobenzene (Surr)	107		70 - 130	01/09/23 12:59	01/12/23 15:52	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			01/13/23 07:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	235		50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 01:09	1
Diesel Range Organics (Over C10-C28)	235		50.0	mg/Kg		01/11/23 15:30	01/15/23 01:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 01:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	01/11/23 15:30	01/15/23 01:09	1
o-Terphenyl (Surr)	104		70 - 130	01/11/23 15:30	01/15/23 01:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		5.01	mg/Kg			01/13/23 17:30	1

Client Sample ID: C214

Lab Sample ID: 880-23434-30

Date Collected: 01/05/23 12:18

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 16:12	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 16:12	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 16:12	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/09/23 12:59	01/12/23 16:12	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 16:12	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/09/23 12:59	01/12/23 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	01/09/23 12:59	01/12/23 16:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130	01/09/23 12:59	01/12/23 16:12	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C214

Lab Sample ID: 880-23434-30

Date Collected: 01/05/23 12:18

Matrix: Solid

Date Received: 01/09/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 01:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 01:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 01:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	0	S1-	70 - 130			01/11/23 15:30	01/15/23 01:30	1
o-Terphenyl (Surr)	0	S1-	70 - 130			01/11/23 15:30	01/15/23 01:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		5.00	mg/Kg			01/13/23 17:36	1

Client Sample ID: C215

Lab Sample ID: 880-23434-31

Date Collected: 01/05/23 12:19

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 18:02	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 18:02	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 18:02	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/09/23 12:59	01/12/23 18:02	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 18:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/09/23 12:59	01/12/23 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			01/09/23 12:59	01/12/23 18:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130			01/09/23 12:59	01/12/23 18:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 02:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 02:14	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C215

Lab Sample ID: 880-23434-31

Date Collected: 01/05/23 12:19

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/11/23 15:30	01/15/23 02:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	0	S1-	70 - 130			01/11/23 15:30	01/15/23 02:14	1
o-Terphenyl (Surr)	0	S1-	70 - 130			01/11/23 15:30	01/15/23 02:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184	F1	5.00	mg/Kg			01/13/23 17:42	1

Client Sample ID: C216

Lab Sample ID: 880-23434-32

Date Collected: 01/05/23 12:20

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 18:23	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 18:23	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 18:23	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 18:23	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 18:23	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 18:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			01/09/23 12:59	01/12/23 18:23	1
1,4-Difluorobenzene (Surr)	108		70 - 130			01/09/23 12:59	01/12/23 18:23	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			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 02:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 02:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 02:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	0	S1-	70 - 130			01/11/23 15:30	01/15/23 02:35	1
o-Terphenyl (Surr)	0	S1-	70 - 130			01/11/23 15:30	01/15/23 02:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	202		5.02	mg/Kg			01/13/23 18:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C217

Lab Sample ID: 880-23434-33

Date Collected: 01/05/23 12:21

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 18:43	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:59	01/12/23 18:43	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:59	01/12/23 18:43	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/09/23 12:59	01/12/23 18:43	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:59	01/12/23 18:43	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/09/23 12:59	01/12/23 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	01/09/23 12:59	01/12/23 18:43	1
1,4-Difluorobenzene (Surr)	107		70 - 130	01/09/23 12:59	01/12/23 18:43	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			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 02:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 02:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 02:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	01/11/23 15:30	01/15/23 02:57	1
o-Terphenyl (Surr)	103		70 - 130	01/11/23 15:30	01/15/23 02:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		5.00	mg/Kg			01/13/23 18:07	1

Client Sample ID: C218

Lab Sample ID: 880-23434-34

Date Collected: 01/05/23 12:22

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 19:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 19:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 19:04	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 19:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 19:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	01/09/23 12:59	01/12/23 19:04	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/09/23 12:59	01/12/23 19:04	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C218

Lab Sample ID: 880-23434-34

Date Collected: 01/05/23 12:22

Matrix: Solid

Date Received: 01/09/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/13/23 07:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	122		49.9	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 03:19	1
Diesel Range Organics (Over C10-C28)	122		49.9	mg/Kg		01/11/23 15:30	01/15/23 03:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 03:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			01/11/23 15:30	01/15/23 03:19	1
o-Terphenyl (Surr)	107		70 - 130			01/11/23 15:30	01/15/23 03:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		4.98	mg/Kg			01/13/23 18:25	1

Client Sample ID: C219

Lab Sample ID: 880-23434-35

Date Collected: 01/05/23 12:23

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 19:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 19:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 19:24	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/09/23 12:59	01/12/23 19:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 19:24	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/09/23 12:59	01/12/23 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			01/09/23 12:59	01/12/23 19:24	1
1,4-Difluorobenzene (Surr)	105		70 - 130			01/09/23 12:59	01/12/23 19:24	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			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 03:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 03:41	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C219

Lab Sample ID: 880-23434-35

Date Collected: 01/05/23 12:23

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/11/23 15:30	01/15/23 03:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			01/11/23 15:30	01/15/23 03:41	1
o-Terphenyl (Surr)	105		70 - 130			01/11/23 15:30	01/15/23 03:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	236		4.95	mg/Kg			01/13/23 18:32	1

Client Sample ID: C220

Lab Sample ID: 880-23434-36

Date Collected: 01/05/23 12:24

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 19:44	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 19:44	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 19:44	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/09/23 12:59	01/12/23 19:44	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:59	01/12/23 19:44	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/09/23 12:59	01/12/23 19:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			01/09/23 12:59	01/12/23 19:44	1
1,4-Difluorobenzene (Surr)	108		70 - 130			01/09/23 12:59	01/12/23 19:44	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			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 04:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 04:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 04:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/11/23 15:30	01/15/23 04:02	1
o-Terphenyl (Surr)	100		70 - 130			01/11/23 15:30	01/15/23 04:02	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	287		5.00	mg/Kg			01/13/23 18:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C221

Lab Sample ID: 880-23434-37

Date Collected: 01/05/23 12:25

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 20:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 20:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 20:05	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/09/23 12:59	01/12/23 20:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 20:05	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/09/23 12:59	01/12/23 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	01/09/23 12:59	01/12/23 20:05	1
1,4-Difluorobenzene (Surr)	107		70 - 130	01/09/23 12:59	01/12/23 20:05	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			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 04:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 04:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 15:30	01/15/23 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	01/11/23 15:30	01/15/23 04:23	1
o-Terphenyl (Surr)	119		70 - 130	01/11/23 15:30	01/15/23 04:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		4.99	mg/Kg			01/13/23 18:44	1

Client Sample ID: C222

Lab Sample ID: 880-23434-38

Date Collected: 01/05/23 12:26

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 20:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 20:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 20:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 20:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 20:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/09/23 12:59	01/12/23 20:25	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/09/23 12:59	01/12/23 20:25	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C222

Lab Sample ID: 880-23434-38

Date Collected: 01/05/23 12:26

Matrix: Solid

Date Received: 01/09/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/13/23 07:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	77.0		50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 04:45	1
Diesel Range Organics (Over C10-C28)	77.0		50.0	mg/Kg		01/11/23 15:30	01/15/23 04:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 04:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			01/11/23 15:30	01/15/23 04:45	1
o-Terphenyl (Surr)	124		70 - 130			01/11/23 15:30	01/15/23 04:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		5.01	mg/Kg			01/13/23 18:50	1

Client Sample ID: C223

Lab Sample ID: 880-23434-39

Date Collected: 01/05/23 15:00

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:59	01/12/23 20:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 20:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 20:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 20:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:59	01/12/23 20:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:59	01/12/23 20:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			01/09/23 12:59	01/12/23 20:46	1
1,4-Difluorobenzene (Surr)	108		70 - 130			01/09/23 12:59	01/12/23 20:46	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			01/13/23 07:51	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			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 05:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 05:07	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C223

Date Collected: 01/05/23 15:00

Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-39

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 05:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130			01/11/23 15:30	01/15/23 05:07	1
o-Terphenyl (Surr)	135	S1+	70 - 130			01/11/23 15:30	01/15/23 05:07	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.1		4.97	mg/Kg			01/13/23 18:56	1

Client Sample ID: C224

Date Collected: 01/05/23 12:28

Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-40

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 21:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 21:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 21:06	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/09/23 12:59	01/12/23 21:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 21:06	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/09/23 12:59	01/12/23 21:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			01/09/23 12:59	01/12/23 21:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130			01/09/23 12:59	01/12/23 21:06	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			01/13/23 07:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.2		50.0	mg/Kg			01/16/23 16:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 05:28	1
Diesel Range Organics (Over C10-C28)	63.2		50.0	mg/Kg		01/11/23 15:30	01/15/23 05:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/15/23 05:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			01/11/23 15:30	01/15/23 05:28	1
o-Terphenyl (Surr)	122		70 - 130			01/11/23 15:30	01/15/23 05:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		4.98	mg/Kg			01/13/23 19:02	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C225

Lab Sample ID: 880-23434-41

Date Collected: 01/05/23 12:29

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:46	01/13/23 18:01	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:46	01/13/23 18:01	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:46	01/13/23 18:01	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/09/23 12:46	01/13/23 18:01	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/09/23 12:46	01/13/23 18:01	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/09/23 12:46	01/13/23 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	01/09/23 12:46	01/13/23 18:01	1
1,4-Difluorobenzene (Surr)	85		70 - 130	01/09/23 12:46	01/13/23 18:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/16/23 16:54	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			01/16/23 16:45	1

Method: 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		01/12/23 09:26	01/13/23 20:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/12/23 09:26	01/13/23 20:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/12/23 09:26	01/13/23 20:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	01/12/23 09:26	01/13/23 20:57	1
o-Terphenyl (Surr)	135	S1+	70 - 130	01/12/23 09:26	01/13/23 20:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	706		5.00	mg/Kg			01/13/23 20:55	1

Client Sample ID: C28

Lab Sample ID: 880-23434-42

Date Collected: 01/06/23 08:00

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:46	01/13/23 18:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:46	01/13/23 18:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:46	01/13/23 18:22	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/09/23 12:46	01/13/23 18:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:46	01/13/23 18:22	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/09/23 12:46	01/13/23 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/09/23 12:46	01/13/23 18:22	1
1,4-Difluorobenzene (Surr)	86		70 - 130	01/09/23 12:46	01/13/23 18:22	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C28

Lab Sample ID: 880-23434-42

Date Collected: 01/06/23 08:00

Matrix: Solid

Date Received: 01/09/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/16/23 16:54	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			01/16/23 16:45	1

Method: 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		01/12/23 09:26	01/13/23 22:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/12/23 09:26	01/13/23 22:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/12/23 09:26	01/13/23 22:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			01/12/23 09:26	01/13/23 22:04	1
o-Terphenyl (Surr)	125		70 - 130			01/12/23 09:26	01/13/23 22:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		5.04	mg/Kg			01/13/23 21:12	1

Client Sample ID: C29

Lab Sample ID: 880-23434-43

Date Collected: 01/06/23 08:01

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:46	01/13/23 18:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:46	01/13/23 18:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:46	01/13/23 18:42	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/09/23 12:46	01/13/23 18:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/09/23 12:46	01/13/23 18:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/09/23 12:46	01/13/23 18:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			01/09/23 12:46	01/13/23 18:42	1
1,4-Difluorobenzene (Surr)	79		70 - 130			01/09/23 12:46	01/13/23 18:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/16/23 16:54	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			01/16/23 16:45	1

Method: 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		01/12/23 09:26	01/13/23 22:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/12/23 09:26	01/13/23 22:26	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C29

Date Collected: 01/06/23 08:01

Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-43

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/12/23 09:26	01/13/23 22:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			01/12/23 09:26	01/13/23 22:26	1
o-Terphenyl (Surr)	129		70 - 130			01/12/23 09:26	01/13/23 22:26	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.7		5.03	mg/Kg			01/13/23 21:17	1

Client Sample ID: C30

Date Collected: 01/06/23 08:02

Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-44

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		01/09/23 12:46	01/13/23 19:03	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:46	01/13/23 19:03	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:46	01/13/23 19:03	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/09/23 12:46	01/13/23 19:03	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/09/23 12:46	01/13/23 19:03	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/09/23 12:46	01/13/23 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			01/09/23 12:46	01/13/23 19:03	1
1,4-Difluorobenzene (Surr)	91		70 - 130			01/09/23 12:46	01/13/23 19:03	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			01/16/23 16:54	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			01/16/23 16:45	1

Method: 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		01/12/23 09:26	01/13/23 22:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/12/23 09:26	01/13/23 22:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/12/23 09:26	01/13/23 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			01/12/23 09:26	01/13/23 22:48	1
o-Terphenyl (Surr)	141	S1+	70 - 130			01/12/23 09:26	01/13/23 22:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		5.05	mg/Kg			01/13/23 21:23	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C33

Lab Sample ID: 880-23434-45

Date Collected: 01/06/23 08:05

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/09/23 12:46	01/13/23 19:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:46	01/13/23 19:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:46	01/13/23 19:23	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/09/23 12:46	01/13/23 19:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:46	01/13/23 19:23	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/09/23 12:46	01/13/23 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/09/23 12:46	01/13/23 19:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130	01/09/23 12:46	01/13/23 19:23	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			01/16/23 16:54	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			01/16/23 16:45	1

Method: 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		01/12/23 09:26	01/13/23 23:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/12/23 09:26	01/13/23 23:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/12/23 09:26	01/13/23 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	01/12/23 09:26	01/13/23 23:09	1
o-Terphenyl (Surr)	124		70 - 130	01/12/23 09:26	01/13/23 23:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		4.95	mg/Kg			01/13/23 21:28	1

Client Sample ID: C39

Lab Sample ID: 880-23434-46

Date Collected: 01/06/23 08:06

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/10/23 15:19	01/11/23 19:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/10/23 15:19	01/11/23 19:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/10/23 15:19	01/11/23 19:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/10/23 15:19	01/11/23 19:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/10/23 15:19	01/11/23 19:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/10/23 15:19	01/11/23 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/10/23 15:19	01/11/23 19:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/10/23 15:19	01/11/23 19:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C39

Lab Sample ID: 880-23434-46

Date Collected: 01/06/23 08:06

Matrix: Solid

Date Received: 01/09/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/12/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:45	1

Method: 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		01/12/23 09:26	01/13/23 23:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/12/23 09:26	01/13/23 23:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/12/23 09:26	01/13/23 23:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			01/12/23 09:26	01/13/23 23:31	1
o-Terphenyl (Surr)	119		70 - 130			01/12/23 09:26	01/13/23 23:31	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	355		5.03	mg/Kg			01/13/23 21:44	1

Client Sample ID: C40

Lab Sample ID: 880-23434-47

Date Collected: 01/06/23 08:07

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/10/23 15:19	01/11/23 19:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/10/23 15:19	01/11/23 19:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/10/23 15:19	01/11/23 19:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/10/23 15:19	01/11/23 19:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/10/23 15:19	01/11/23 19:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/10/23 15:19	01/11/23 19:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			01/10/23 15:19	01/11/23 19:46	1
1,4-Difluorobenzene (Surr)	98		70 - 130			01/10/23 15:19	01/11/23 19:46	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			01/12/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/13/23 12:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 00:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		01/11/23 09:47	01/13/23 00:48	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C40

Lab Sample ID: 880-23434-47

Date Collected: 01/06/23 08:07

Matrix: Solid

Date Received: 01/09/23 08:15

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 00:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			01/11/23 09:47	01/13/23 00:48	1
o-Terphenyl (Surr)	90		70 - 130			01/11/23 09:47	01/13/23 00:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	838		5.01	mg/Kg			01/13/23 21:50	1

Client Sample ID: C48

Lab Sample ID: 880-23434-48

Date Collected: 01/06/23 10:00

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/10/23 15:19	01/11/23 20:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/10/23 15:19	01/11/23 20:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/10/23 15:19	01/11/23 20:06	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/10/23 15:19	01/11/23 20:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/10/23 15:19	01/11/23 20:06	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/10/23 15:19	01/11/23 20:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			01/10/23 15:19	01/11/23 20:06	1
1,4-Difluorobenzene (Surr)	74		70 - 130			01/10/23 15:19	01/11/23 20:06	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			01/12/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/13/23 12:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 01:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		01/11/23 09:47	01/13/23 01:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			01/11/23 09:47	01/13/23 01:32	1
o-Terphenyl (Surr)	78		70 - 130			01/11/23 09:47	01/13/23 01:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		5.00	mg/Kg			01/13/23 21:55	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C49

Lab Sample ID: 880-23434-49

Date Collected: 01/06/23 10:01

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/10/23 15:19	01/11/23 20:27	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/10/23 15:19	01/11/23 20:27	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/10/23 15:19	01/11/23 20:27	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		01/10/23 15:19	01/11/23 20:27	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/10/23 15:19	01/11/23 20:27	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		01/10/23 15:19	01/11/23 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/10/23 15:19	01/11/23 20:27	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/10/23 15:19	01/11/23 20:27	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			01/12/23 13:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/13/23 12:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 09:47	01/13/23 01:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		01/11/23 09:47	01/13/23 01:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 09:47	01/13/23 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	01/11/23 09:47	01/13/23 01:54	1
o-Terphenyl (Surr)	92		70 - 130	01/11/23 09:47	01/13/23 01:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		4.96	mg/Kg			01/13/23 22:01	1

Client Sample ID: C50

Lab Sample ID: 880-23434-50

Date Collected: 01/06/23 10:02

Matrix: Solid

Date Received: 01/09/23 08:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/10/23 08:56	01/10/23 22:14	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/10/23 08:56	01/10/23 22:14	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/10/23 08:56	01/10/23 22:14	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		01/10/23 08:56	01/10/23 22:14	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/10/23 08:56	01/10/23 22:14	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/10/23 08:56	01/10/23 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	01/10/23 08:56	01/10/23 22:14	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/10/23 08:56	01/10/23 22:14	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C50

Lab Sample ID: 880-23434-50

Date Collected: 01/06/23 10:02

Matrix: Solid

Date Received: 01/09/23 08:15

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			01/11/23 14:03	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			01/13/23 12:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 02:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		01/11/23 09:47	01/13/23 02:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 02:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			01/11/23 09:47	01/13/23 02:17	1
o-Terphenyl (Surr)	87		70 - 130			01/11/23 09:47	01/13/23 02:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		4.96	mg/Kg			01/13/23 22:06	1

Client Sample ID: C51

Lab Sample ID: 880-23434-51

Date Collected: 01/06/23 10:03

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/10/23 08:56	01/10/23 22:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:56	01/10/23 22:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:56	01/10/23 22:34	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/10/23 08:56	01/10/23 22:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:56	01/10/23 22:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/10/23 08:56	01/10/23 22:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			01/10/23 08:56	01/10/23 22:34	1
1,4-Difluorobenzene (Surr)	86		70 - 130			01/10/23 08:56	01/10/23 22:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/11/23 14:03	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			01/13/23 12:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/11/23 09:47	01/13/23 02:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		01/11/23 09:47	01/13/23 02:39	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C51

Date Collected: 01/06/23 10:03

Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-51

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/11/23 09:47	01/13/23 02:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			01/11/23 09:47	01/13/23 02:39	1
o-Terphenyl (Surr)	87		70 - 130			01/11/23 09:47	01/13/23 02:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105	F1	4.95	mg/Kg			01/13/23 22:12	1

Client Sample ID: C53

Date Collected: 01/06/23 10:04

Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-52

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		01/10/23 08:56	01/10/23 22:55	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/10/23 08:56	01/10/23 22:55	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/10/23 08:56	01/10/23 22:55	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/10/23 08:56	01/10/23 22:55	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/10/23 08:56	01/10/23 22:55	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/10/23 08:56	01/10/23 22:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			01/10/23 08:56	01/10/23 22:55	1
1,4-Difluorobenzene (Surr)	90		70 - 130			01/10/23 08:56	01/10/23 22:55	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			01/11/23 14:03	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			01/13/23 12:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 03:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		01/11/23 09:47	01/13/23 03:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 03:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			01/11/23 09:47	01/13/23 03:02	1
o-Terphenyl (Surr)	90		70 - 130			01/11/23 09:47	01/13/23 03:02	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		5.05	mg/Kg			01/13/23 22:28	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C54

Lab Sample ID: 880-23434-53

Date Collected: 01/06/23 10:05

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/10/23 08:56	01/10/23 23:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:56	01/10/23 23:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:56	01/10/23 23:15	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/10/23 08:56	01/10/23 23:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:56	01/10/23 23:15	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/10/23 08:56	01/10/23 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/10/23 08:56	01/10/23 23:15	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/10/23 08:56	01/10/23 23:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/11/23 14:03	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			01/13/23 12:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 03:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		01/11/23 09:47	01/13/23 03:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 03:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	01/11/23 09:47	01/13/23 03:23	1
o-Terphenyl (Surr)	89		70 - 130	01/11/23 09:47	01/13/23 03:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246		5.03	mg/Kg			01/13/23 22:34	1

Client Sample ID: C55

Lab Sample ID: 880-23434-54

Date Collected: 01/06/23 10:06

Matrix: Solid

Date Received: 01/09/23 08:15

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		01/10/23 08:56	01/10/23 23:36	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/10/23 08:56	01/10/23 23:36	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/10/23 08:56	01/10/23 23:36	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		01/10/23 08:56	01/10/23 23:36	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/10/23 08:56	01/10/23 23:36	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		01/10/23 08:56	01/10/23 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/10/23 08:56	01/10/23 23:36	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/10/23 08:56	01/10/23 23:36	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C55

Lab Sample ID: 880-23434-54

Date Collected: 01/06/23 10:06

Matrix: Solid

Date Received: 01/09/23 08:15

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			01/11/23 14:03	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			01/13/23 12:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 03:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		01/11/23 09:47	01/13/23 03:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/13/23 03:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			01/11/23 09:47	01/13/23 03:45	1
o-Terphenyl (Surr)	95		70 - 130			01/11/23 09:47	01/13/23 03:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	424		5.01	mg/Kg			01/13/23 22:50	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

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)
880-23434-1	C15	94	94
880-23434-1 MS	C15	110	96
880-23434-1 MSD	C15	95	102
880-23434-2	C17	87	66 S1-
880-23434-3	C11	101	93
880-23434-4	C231	99	92
880-23434-5	C232	103	96
880-23434-6	C10	100	97
880-23434-7	SW5	102	85
880-23434-8	C233	118	83
880-23434-9	C234	97	76
880-23434-10	C2	108	85
880-23434-11	C1	120	95
880-23434-12	SW26	101	92
880-23434-13	SW27	106	87
880-23434-14	C226	101	74
880-23434-15	C227	95	76
880-23434-16	C228	95	82
880-23434-17	C229	104	87
880-23434-18	C230	98	86
880-23434-19	C205	95	90
880-23434-20	C206	97	92
880-23434-21	C207	110	104
880-23434-21 MS	C207	108	104
880-23434-21 MSD	C207	110	107
880-23434-22	C208	115	105
880-23434-23	C209	114	107
880-23434-24	SW28	110	105
880-23434-25	SW29	112	107
880-23434-26	C210	116	104
880-23434-27	C211	114	100
880-23434-28	C212	116	108
880-23434-29	C213	113	107
880-23434-30	C214	118	108
880-23434-31	C215	108	105
880-23434-32	C216	117	108
880-23434-33	C217	115	107
880-23434-34	C218	118	105
880-23434-35	C219	117	105
880-23434-36	C220	120	108
880-23434-37	C221	116	107
880-23434-38	C222	112	103
880-23434-39	C223	115	108
880-23434-40	C224	116	100
880-23434-41	C225	109	85
880-23434-42	C28	103	86
880-23434-43	C29	117	79
880-23434-44	C30	108	91
880-23434-45	C33	99	100

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23434-1

Project/Site: Hayhurst Pond 2

SDG: 22-0107-01

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)
880-23434-46	C39	94	99
880-23434-47	C40	95	98
880-23434-48	C48	89	74
880-23434-49	C49	94	97
880-23434-50	C50	95	93
880-23434-50 MS	C50	105	102
880-23434-50 MSD	C50	116	94
880-23434-51	C51	95	86
880-23434-52	C53	98	90
880-23434-53	C54	97	94
880-23434-54	C55	101	90
LCS 880-43539/1-A	Lab Control Sample	97	82
LCS 880-43542/1-A	Lab Control Sample	93	99
LCS 880-43543/1-A	Lab Control Sample	103	99
LCS 880-43610/1-A	Lab Control Sample	107	101
LCS 880-43675/1-A	Lab Control Sample	89	104
LCSD 880-43539/2-A	Lab Control Sample Dup	94	102
LCSD 880-43542/2-A	Lab Control Sample Dup	112	86
LCSD 880-43543/2-A	Lab Control Sample Dup	107	102
LCSD 880-43610/2-A	Lab Control Sample Dup	102	104
LCSD 880-43675/2-A	Lab Control Sample Dup	92	101
MB 880-43539/5-A	Method Blank	83	91
MB 880-43542/5-A	Method Blank	76	84
MB 880-43543/5-A	Method Blank	102	103
MB 880-43609/5-A	Method Blank	77	86
MB 880-43610/5-A	Method Blank	82	89
MB 880-43675/5-A	Method Blank	86	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-23434-1	C15	105	102
880-23434-1 MS	C15	86	81
880-23434-1 MSD	C15	89	86
880-23434-2	C17	92	94
880-23434-3	C11	90	91
880-23434-4	C231	87	88
880-23434-5	C232	100	97
880-23434-6	C10	99	96
880-23434-7	SW5	100	97
880-23434-8	C233	87	88
880-23434-9	C234	107	103
880-23434-10	C2	103	99
880-23434-11	C1	103	99

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23434-1

Project/Site: Hayhurst Pond 2

SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)
Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-23434-12	SW26	90	86
880-23434-13	SW27	98	89
880-23434-14	C226	101	97
880-23434-15	C227	88	89
880-23434-16	C228	96	94
880-23434-17	C229	102	98
880-23434-18	C230	90	90
880-23434-19	C205	87	87
880-23434-20	C206	88	86
880-23434-21	C207	110	114
880-23434-21 MS	C207	118	110
880-23434-21 MSD	C207	117	111
880-23434-22	C208	131 S1+	125
880-23434-23	C209	102	104
880-23434-24	SW28	128	123
880-23434-25	SW29	121	116
880-23434-26	C210	116	114
880-23434-27	C211	0 S1-	0 S1-
880-23434-28	C212	0 S1-	0 S1-
880-23434-29	C213	107	104
880-23434-30	C214	0 S1-	0 S1-
880-23434-31	C215	0 S1-	0 S1-
880-23434-32	C216	0 S1-	0 S1-
880-23434-33	C217	102	103
880-23434-34	C218	118	107
880-23434-35	C219	111	105
880-23434-36	C220	103	100
880-23434-37	C221	120	119
880-23434-38	C222	120	124
880-23434-39	C223	125	135 S1+
880-23434-40	C224	112	122
880-23434-41	C225	115	135 S1+
880-23434-41 MS	C225	90	96
880-23434-41 MSD	C225	78	86
880-23434-42	C28	104	125
880-23434-43	C29	110	129
880-23434-44	C30	118	141 S1+
880-23434-45	C33	101	124
880-23434-46	C39	105	119
880-23434-47	C40	93	90
880-23434-48	C48	83	78
880-23434-49	C49	97	92
880-23434-50	C50	89	87
880-23434-51	C51	89	87
880-23434-52	C53	98	90
880-23434-53	C54	89	89
880-23434-54	C55	102	95
LCS 880-43713/2-A	Lab Control Sample	125	108
LCS 880-43765/2-A	Lab Control Sample	95	91
LCS 880-43766/2-A	Lab Control Sample	112	97

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23434-1

Project/Site: Hayhurst Pond 2

SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**Matrix: Solid****Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
LCS 880-43793/2-A	Lab Control Sample	107	128
LCSD 880-43713/3-A	Lab Control Sample Dup	101	85
LCSD 880-43765/3-A	Lab Control Sample Dup	108	106
LCSD 880-43766/3-A	Lab Control Sample Dup	111	98
LCSD 880-43793/3-A	Lab Control Sample Dup	105	122
MB 880-43713/1-A	Method Blank	140 S1+	123
MB 880-43765/1-A	Method Blank	153 S1+	146 S1+
MB 880-43766/1-A	Method Blank	162 S1+	152 S1+
MB 880-43793/1-A	Method Blank	142 S1+	174 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43539/5-A

Matrix: Solid

Analysis Batch: 43862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43539

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:46	01/13/23 10:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:46	01/13/23 10:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:46	01/13/23 10:53	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/09/23 12:46	01/13/23 10:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:46	01/13/23 10:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/09/23 12:46	01/13/23 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	01/09/23 12:46	01/13/23 10:53	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/09/23 12:46	01/13/23 10:53	1

Lab Sample ID: LCS 880-43539/1-A

Matrix: Solid

Analysis Batch: 43862

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08849		mg/Kg		88	70 - 130
Toluene	0.100	0.1026		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.09065		mg/Kg		91	70 - 130
m,p-Xylenes	0.200	0.1939		mg/Kg		97	70 - 130
o-Xylene	0.100	0.1075		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-43539/2-A

Matrix: Solid

Analysis Batch: 43862

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43539

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09633		mg/Kg		96	70 - 130	8	35
Toluene	0.100	0.09226		mg/Kg		92	70 - 130	11	35
Ethylbenzene	0.100	0.08415		mg/Kg		84	70 - 130	7	35
m,p-Xylenes	0.200	0.1746		mg/Kg		87	70 - 130	10	35
o-Xylene	0.100	0.09608		mg/Kg		96	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-43542/5-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43542

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 11:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 11:20	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-43542/5-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43542

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 11:20	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/09/23 12:55	01/12/23 11:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:55	01/12/23 11:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/09/23 12:55	01/12/23 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	01/09/23 12:55	01/12/23 11:20	1
1,4-Difluorobenzene (Surr)	84		70 - 130	01/09/23 12:55	01/12/23 11:20	1

Lab Sample ID: LCS 880-43542/1-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43542

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1075		mg/Kg		108	70 - 130
Toluene	0.100	0.1098		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.09687		mg/Kg		97	70 - 130
m,p-Xylenes	0.200	0.2045		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1126		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-43542/2-A

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43542

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09622		mg/Kg		96	70 - 130	11	35
Toluene	0.100	0.1068		mg/Kg		107	70 - 130	3	35
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130	4	35
m,p-Xylenes	0.200	0.2213		mg/Kg		111	70 - 130	8	35
o-Xylene	0.100	0.1228		mg/Kg		123	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-23434-1 MS

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: C15

Prep Type: Total/NA

Prep Batch: 43542

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0998	0.07223		mg/Kg		72	70 - 130
Toluene	<0.00198	U	0.0998	0.08279		mg/Kg		83	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.08256		mg/Kg		83	70 - 130
m,p-Xylenes	<0.00396	U	0.200	0.1738		mg/Kg		87	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-23434-1 MS

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: C15

Prep Type: Total/NA

Prep Batch: 43542

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00198	U	0.0998	0.09405		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-23434-1 MSD

Matrix: Solid

Analysis Batch: 43785

Client Sample ID: C15

Prep Type: Total/NA

Prep Batch: 43542

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.08651		mg/Kg		86	70 - 130	18	35
Toluene	<0.00198	U	0.101	0.08619		mg/Kg		85	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.101	0.07662		mg/Kg		76	70 - 130	7	35
m,p-Xylenes	<0.00396	U	0.202	0.1584		mg/Kg		79	70 - 130	9	35
o-Xylene	<0.00198	U	0.101	0.08575		mg/Kg		85	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-43543/5-A

Matrix: Solid

Analysis Batch: 43790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43543

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 12:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 12:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 12:39	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/09/23 12:59	01/12/23 12:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/09/23 12:59	01/12/23 12:39	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/09/23 12:59	01/12/23 12:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	01/09/23 12:59	01/12/23 12:39	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/09/23 12:59	01/12/23 12:39	1

Lab Sample ID: LCS 880-43543/1-A

Matrix: Solid

Analysis Batch: 43790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09025		mg/Kg		90	70 - 130
Toluene	0.100	0.1001		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09944		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.2054		mg/Kg		103	70 - 130
o-Xylene	0.100	0.09258		mg/Kg		93	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-43543/1-A

Matrix: Solid

Analysis Batch: 43790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43543

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-43543/2-A

Matrix: Solid

Analysis Batch: 43790

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43543

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1023		mg/Kg		102	70 - 130	12	35
Toluene	0.100	0.1009		mg/Kg		101	70 - 130	1	35
Ethylbenzene	0.100	0.09858		mg/Kg		99	70 - 130	1	35
m,p-Xylenes	0.200	0.2029		mg/Kg		101	70 - 130	1	35
o-Xylene	0.100	0.09716		mg/Kg		97	70 - 130	5	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-23434-21 MS

Matrix: Solid

Analysis Batch: 43790

Client Sample ID: C207

Prep Type: Total/NA

Prep Batch: 43543

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.08548		mg/Kg		85	70 - 130
Toluene	<0.00202	U	0.101	0.08337		mg/Kg		83	70 - 130
Ethylbenzene	<0.00202	U	0.101	0.07938		mg/Kg		79	70 - 130
m,p-Xylenes	<0.00403	U	0.202	0.1657		mg/Kg		82	70 - 130
o-Xylene	<0.00202	U	0.101	0.08074		mg/Kg		80	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-23434-21 MSD

Matrix: Solid

Analysis Batch: 43790

Client Sample ID: C207

Prep Type: Total/NA

Prep Batch: 43543

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.09309		mg/Kg		94	70 - 130	9	35
Toluene	<0.00202	U	0.0990	0.08997		mg/Kg		91	70 - 130	8	35
Ethylbenzene	<0.00202	U	0.0990	0.08350		mg/Kg		84	70 - 130	5	35
m,p-Xylenes	<0.00403	U	0.198	0.1723		mg/Kg		87	70 - 130	4	35
o-Xylene	<0.00202	U	0.0990	0.08284		mg/Kg		83	70 - 130	3	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-43609/5-A

Matrix: Solid

Analysis Batch: 43597

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43609

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:48	01/10/23 10:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:48	01/10/23 10:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:48	01/10/23 10:53	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/10/23 08:48	01/10/23 10:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:48	01/10/23 10:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/10/23 08:48	01/10/23 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	01/10/23 08:48	01/10/23 10:53	1
1,4-Difluorobenzene (Surr)	86		70 - 130	01/10/23 08:48	01/10/23 10:53	1

Lab Sample ID: MB 880-43610/5-A

Matrix: Solid

Analysis Batch: 43597

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43610

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:56	01/10/23 21:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:56	01/10/23 21:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:56	01/10/23 21:53	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/10/23 08:56	01/10/23 21:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/10/23 08:56	01/10/23 21:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/10/23 08:56	01/10/23 21:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	01/10/23 08:56	01/10/23 21:53	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/10/23 08:56	01/10/23 21:53	1

Lab Sample ID: LCS 880-43610/1-A

Matrix: Solid

Analysis Batch: 43597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09060		mg/Kg		91	70 - 130
Toluene	0.100	0.09437		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08634		mg/Kg		86	70 - 130
m,p-Xylenes	0.200	0.1824		mg/Kg		91	70 - 130
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-43610/2-A

Matrix: Solid

Analysis Batch: 43597

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43610

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09187		mg/Kg		92	70 - 130	1	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-43610/2-A

Matrix: Solid

Analysis Batch: 43597

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43610

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09099		mg/Kg		91	70 - 130	4	35
Ethylbenzene	0.100	0.08125		mg/Kg		81	70 - 130	6	35
m,p-Xylenes	0.200	0.1718		mg/Kg		86	70 - 130	6	35
o-Xylene	0.100	0.09298		mg/Kg		93	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-23434-50 MS

Matrix: Solid

Analysis Batch: 43597

Client Sample ID: C50

Prep Type: Total/NA

Prep Batch: 43610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0998	0.08335		mg/Kg		84	70 - 130
Toluene	<0.00202	U	0.0998	0.08349		mg/Kg		84	70 - 130
Ethylbenzene	<0.00202	U	0.0998	0.07833		mg/Kg		78	70 - 130
m,p-Xylenes	<0.00403	U	0.200	0.1640		mg/Kg		82	70 - 130
o-Xylene	<0.00202	U	0.0998	0.09980		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-23434-50 MSD

Matrix: Solid

Analysis Batch: 43597

Client Sample ID: C50

Prep Type: Total/NA

Prep Batch: 43610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.101	0.08321		mg/Kg		83	70 - 130	0	35
Toluene	<0.00202	U	0.101	0.09720		mg/Kg		96	70 - 130	15	35
Ethylbenzene	<0.00202	U	0.101	0.09384		mg/Kg		93	70 - 130	18	35
m,p-Xylenes	<0.00403	U	0.202	0.2044		mg/Kg		101	70 - 130	22	35
o-Xylene	<0.00202	U	0.101	0.1211		mg/Kg		120	70 - 130	19	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-43675/5-A

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43675

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/10/23 15:19	01/11/23 11:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/10/23 15:19	01/11/23 11:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/10/23 15:19	01/11/23 11:10	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/10/23 15:19	01/11/23 11:10	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-43675/5-A

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43675

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/10/23 15:19	01/11/23 11:10	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/10/23 15:19	01/11/23 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	01/10/23 15:19	01/11/23 11:10	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/10/23 15:19	01/11/23 11:10	1

Lab Sample ID: LCS 880-43675/1-A

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1055		mg/Kg		106	70 - 130
Toluene	0.100	0.1010		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.08629		mg/Kg		86	70 - 130
m,p-Xylenes	0.200	0.1771		mg/Kg		89	70 - 130
o-Xylene	0.100	0.1024		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-43675/2-A

Matrix: Solid

Analysis Batch: 43697

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43675

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09843		mg/Kg		98	70 - 130	7	35
Toluene	0.100	0.09734		mg/Kg		97	70 - 130	4	35
Ethylbenzene	0.100	0.08392		mg/Kg		84	70 - 130	3	35
m,p-Xylenes	0.200	0.1750		mg/Kg		88	70 - 130	1	35
o-Xylene	0.100	0.09879		mg/Kg		99	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-43713/1-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43713

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		01/11/23 09:47	01/12/23 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/12/23 19:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 09:47	01/12/23 19:44	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	140	S1+	70 - 130	01/11/23 09:47	01/12/23 19:44	1
o-Terphenyl (Surr)	123		70 - 130	01/11/23 09:47	01/12/23 19:44	1

Lab Sample ID: LCS 880-43713/2-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1063		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1036		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	125		70 - 130
o-Terphenyl (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-43713/3-A

Matrix: Solid

Analysis Batch: 43779

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43713

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	978.4		mg/Kg		98	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	766.4	*1	mg/Kg		77	70 - 130	30	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	85		70 - 130

Lab Sample ID: MB 880-43765/1-A

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43765

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		01/11/23 15:28	01/14/23 08:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 08:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:28	01/14/23 08:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	153	S1+	70 - 130	01/11/23 15:28	01/14/23 08:20	1
o-Terphenyl (Surr)	146	S1+	70 - 130	01/11/23 15:28	01/14/23 08:20	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-43765/2-A

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	822.0		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	801.2		mg/Kg		80	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	95		70 - 130				
o-Terphenyl (Surr)	91		70 - 130				

Lab Sample ID: LCSD 880-43765/3-A

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43765

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	808.8		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	845.0		mg/Kg		85	70 - 130	5	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	108		70 - 130								
o-Terphenyl (Surr)	106		70 - 130								

Lab Sample ID: 880-23434-1 MS

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: C15

Prep Type: Total/NA

Prep Batch: 43765

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1151		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	969.4		mg/Kg		97	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	86		70 - 130						
o-Terphenyl (Surr)	81		70 - 130						

Lab Sample ID: 880-23434-1 MSD

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: C15

Prep Type: Total/NA

Prep Batch: 43765

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1064		mg/Kg		104	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1009		mg/Kg		101	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	89		70 - 130								

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-23434-1 MSD

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: C15

Prep Type: Total/NA

Prep Batch: 43765

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	86		70 - 130

Lab Sample ID: MB 880-43766/1-A

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43766

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/14/23 20:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/14/23 20:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/23 15:30	01/14/23 20:28	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
%Recovery	Qualifier							
1-Chlorooctane (Surr)	162	S1+	70 - 130			01/11/23 15:30	01/14/23 20:28	1
<i>o</i> -Terphenyl (Surr)	152	S1+	70 - 130			01/11/23 15:30	01/14/23 20:28	1

Lab Sample ID: LCS 880-43766/2-A

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	941.0		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	850.6		mg/Kg		85	70 - 130
Surrogate	LCS	LCS	Limits				
%Recovery	Qualifier						
1-Chlorooctane (Surr)	112		70 - 130				
<i>o</i> -Terphenyl (Surr)	97		70 - 130				

Lab Sample ID: LCSD 880-43766/3-A

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43766

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	814.6		mg/Kg		81	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	783.0		mg/Kg		78	70 - 130	8	20
Surrogate	LCSD	LCSD	Limits						
%Recovery	Qualifier								
1-Chlorooctane (Surr)	111		70 - 130						
<i>o</i> -Terphenyl (Surr)	98		70 - 130						

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-23434-21 MS

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: C207

Prep Type: Total/NA

Prep Batch: 43766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1086		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	52.6		998	971.0		mg/Kg		92	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	118		70 - 130						
o-Terphenyl (Surr)	110		70 - 130						

Lab Sample ID: 880-23434-21 MSD

Matrix: Solid

Analysis Batch: 43941

Client Sample ID: C207

Prep Type: Total/NA

Prep Batch: 43766

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1037		mg/Kg		102	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	52.6		997	978.6		mg/Kg		93	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	117		70 - 130								
o-Terphenyl (Surr)	111		70 - 130								

Lab Sample ID: MB 880-43793/1-A

Matrix: Solid

Analysis Batch: 43852

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43793

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		01/12/23 09:26	01/13/23 19:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/12/23 09:26	01/13/23 19:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/12/23 09:26	01/13/23 19:51	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	142	S1+	70 - 130			01/12/23 09:26	01/13/23 19:51	1
o-Terphenyl (Surr)	174	S1+	70 - 130			01/12/23 09:26	01/13/23 19:51	1

Lab Sample ID: LCS 880-43793/2-A

Matrix: Solid

Analysis Batch: 43852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	874.1		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	940.7		mg/Kg		94	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-43793/2-A

Matrix: Solid

Analysis Batch: 43852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43793

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	107		70 - 130
o-Terphenyl (Surr)	128		70 - 130

Lab Sample ID: LCSD 880-43793/3-A

Matrix: Solid

Analysis Batch: 43852

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43793

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	901.4		mg/Kg		90	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	960.9		mg/Kg		96	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	105		70 - 130
o-Terphenyl (Surr)	122		70 - 130

Lab Sample ID: 880-23434-41 MS

Matrix: Solid

Analysis Batch: 43852

Client Sample ID: C225

Prep Type: Total/NA

Prep Batch: 43793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	912.3		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1009		mg/Kg		97	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	96		70 - 130

Lab Sample ID: 880-23434-41 MSD

Matrix: Solid

Analysis Batch: 43852

Client Sample ID: C225

Prep Type: Total/NA

Prep Batch: 43793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1003		mg/Kg		98	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	894.4		mg/Kg		85	70 - 130	12	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	78		70 - 130
o-Terphenyl (Surr)	86		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43643/1-A

Matrix: Solid

Analysis Batch: 43871

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			01/13/23 11:17	1

Lab Sample ID: LCS 880-43643/2-A

Matrix: Solid

Analysis Batch: 43871

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	272.9		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-43643/3-A

Matrix: Solid

Analysis Batch: 43871

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	273.5		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-23434-1 MS

Matrix: Solid

Analysis Batch: 43871

Client Sample ID: C15

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1020	F1	2520	3987	F1	mg/Kg		118	90 - 110

Lab Sample ID: 880-23434-1 MSD

Matrix: Solid

Analysis Batch: 43871

Client Sample ID: C15

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1020	F1	2520	3993	F1	mg/Kg		118	90 - 110	0	20

Lab Sample ID: 880-23434-11 MS

Matrix: Solid

Analysis Batch: 43871

Client Sample ID: C1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1510	F1	2500	4458	F1	mg/Kg		118	90 - 110

Lab Sample ID: 880-23434-11 MSD

Matrix: Solid

Analysis Batch: 43871

Client Sample ID: C1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1510	F1	2500	4465	F1	mg/Kg		118	90 - 110	0	20

Lab Sample ID: MB 880-43644/1-A

Matrix: Solid

Analysis Batch: 43873

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			01/13/23 14:53	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-43644/2-A

Matrix: Solid

Analysis Batch: 43873

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-43644/3-A

Matrix: Solid

Analysis Batch: 43873

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	274.8		mg/Kg		110	90 - 110	9	20

Lab Sample ID: 880-23434-21 MS

Matrix: Solid

Analysis Batch: 43873

Client Sample ID: C207

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	321	F1	252	666.9	F1	mg/Kg		137	90 - 110

Lab Sample ID: 880-23434-21 MSD

Matrix: Solid

Analysis Batch: 43873

Client Sample ID: C207

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	321	F1	252	663.3	F1	mg/Kg		136	90 - 110	1	20

Lab Sample ID: 880-23434-31 MS

Matrix: Solid

Analysis Batch: 43873

Client Sample ID: C215

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	184	F1	250	530.1	F1	mg/Kg		139	90 - 110

Lab Sample ID: 880-23434-31 MSD

Matrix: Solid

Analysis Batch: 43873

Client Sample ID: C215

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	184	F1	250	528.7	F1	mg/Kg		138	90 - 110	0	20

Lab Sample ID: MB 880-43645/1-A

Matrix: Solid

Analysis Batch: 43875

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			01/13/23 20:39	1

Lab Sample ID: LCS 880-43645/2-A

Matrix: Solid

Analysis Batch: 43875

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	273.5		mg/Kg		109	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-43645/3-A

Matrix: Solid

Analysis Batch: 43875

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	274.2		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-23434-41 MS

Matrix: Solid

Analysis Batch: 43875

Client Sample ID: C225

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	706		250	970.8		mg/Kg		106	90 - 110		

Lab Sample ID: 880-23434-41 MSD

Matrix: Solid

Analysis Batch: 43875

Client Sample ID: C225

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	706		250	971.7		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-23434-51 MS

Matrix: Solid

Analysis Batch: 43875

Client Sample ID: C51

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	105	F1	248	399.3	F1	mg/Kg		119	90 - 110		

Lab Sample ID: 880-23434-51 MSD

Matrix: Solid

Analysis Batch: 43875

Client Sample ID: C51

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	105	F1	248	399.9	F1	mg/Kg		119	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

GC VOA

Prep Batch: 43539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-41	C225	Total/NA	Solid	5035	
880-23434-42	C28	Total/NA	Solid	5035	
880-23434-43	C29	Total/NA	Solid	5035	
880-23434-44	C30	Total/NA	Solid	5035	
880-23434-45	C33	Total/NA	Solid	5035	
MB 880-43539/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43539/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43539/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 43542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-1	C15	Total/NA	Solid	5035	
880-23434-2	C17	Total/NA	Solid	5035	
880-23434-3	C11	Total/NA	Solid	5035	
880-23434-4	C231	Total/NA	Solid	5035	
880-23434-5	C232	Total/NA	Solid	5035	
880-23434-6	C10	Total/NA	Solid	5035	
880-23434-7	SW5	Total/NA	Solid	5035	
880-23434-8	C233	Total/NA	Solid	5035	
880-23434-9	C234	Total/NA	Solid	5035	
880-23434-10	C2	Total/NA	Solid	5035	
880-23434-11	C1	Total/NA	Solid	5035	
880-23434-12	SW26	Total/NA	Solid	5035	
880-23434-13	SW27	Total/NA	Solid	5035	
880-23434-14	C226	Total/NA	Solid	5035	
880-23434-15	C227	Total/NA	Solid	5035	
880-23434-16	C228	Total/NA	Solid	5035	
880-23434-17	C229	Total/NA	Solid	5035	
880-23434-18	C230	Total/NA	Solid	5035	
880-23434-19	C205	Total/NA	Solid	5035	
880-23434-20	C206	Total/NA	Solid	5035	
MB 880-43542/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43542/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43542/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23434-1 MS	C15	Total/NA	Solid	5035	
880-23434-1 MSD	C15	Total/NA	Solid	5035	

Prep Batch: 43543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-21	C207	Total/NA	Solid	5035	
880-23434-22	C208	Total/NA	Solid	5035	
880-23434-23	C209	Total/NA	Solid	5035	
880-23434-24	SW28	Total/NA	Solid	5035	
880-23434-25	SW29	Total/NA	Solid	5035	
880-23434-26	C210	Total/NA	Solid	5035	
880-23434-27	C211	Total/NA	Solid	5035	
880-23434-28	C212	Total/NA	Solid	5035	
880-23434-29	C213	Total/NA	Solid	5035	
880-23434-30	C214	Total/NA	Solid	5035	
880-23434-31	C215	Total/NA	Solid	5035	
880-23434-32	C216	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

GC VOA (Continued)

Prep Batch: 43543 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-33	C217	Total/NA	Solid	5035	
880-23434-34	C218	Total/NA	Solid	5035	
880-23434-35	C219	Total/NA	Solid	5035	
880-23434-36	C220	Total/NA	Solid	5035	
880-23434-37	C221	Total/NA	Solid	5035	
880-23434-38	C222	Total/NA	Solid	5035	
880-23434-39	C223	Total/NA	Solid	5035	
880-23434-40	C224	Total/NA	Solid	5035	
MB 880-43543/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43543/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43543/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23434-21 MS	C207	Total/NA	Solid	5035	
880-23434-21 MSD	C207	Total/NA	Solid	5035	

Analysis Batch: 43597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-50	C50	Total/NA	Solid	8021B	43610
880-23434-51	C51	Total/NA	Solid	8021B	43610
880-23434-52	C53	Total/NA	Solid	8021B	43610
880-23434-53	C54	Total/NA	Solid	8021B	43610
880-23434-54	C55	Total/NA	Solid	8021B	43610
MB 880-43609/5-A	Method Blank	Total/NA	Solid	8021B	43609
MB 880-43610/5-A	Method Blank	Total/NA	Solid	8021B	43610
LCS 880-43610/1-A	Lab Control Sample	Total/NA	Solid	8021B	43610
LCSD 880-43610/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43610
880-23434-50 MS	C50	Total/NA	Solid	8021B	43610
880-23434-50 MSD	C50	Total/NA	Solid	8021B	43610

Prep Batch: 43609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43609/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 43610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-50	C50	Total/NA	Solid	5035	
880-23434-51	C51	Total/NA	Solid	5035	
880-23434-52	C53	Total/NA	Solid	5035	
880-23434-53	C54	Total/NA	Solid	5035	
880-23434-54	C55	Total/NA	Solid	5035	
MB 880-43610/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43610/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43610/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23434-50 MS	C50	Total/NA	Solid	5035	
880-23434-50 MSD	C50	Total/NA	Solid	5035	

Prep Batch: 43675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-46	C39	Total/NA	Solid	5035	
880-23434-47	C40	Total/NA	Solid	5035	
880-23434-48	C48	Total/NA	Solid	5035	
880-23434-49	C49	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

GC VOA (Continued)

Prep Batch: 43675 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43675/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43675/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43675/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 43697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-46	C39	Total/NA	Solid	8021B	43675
880-23434-47	C40	Total/NA	Solid	8021B	43675
880-23434-48	C48	Total/NA	Solid	8021B	43675
880-23434-49	C49	Total/NA	Solid	8021B	43675
MB 880-43675/5-A	Method Blank	Total/NA	Solid	8021B	43675
LCS 880-43675/1-A	Lab Control Sample	Total/NA	Solid	8021B	43675
LCSD 880-43675/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43675

Analysis Batch: 43757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-1	C15	Total/NA	Solid	Total BTEX	
880-23434-2	C17	Total/NA	Solid	Total BTEX	
880-23434-3	C11	Total/NA	Solid	Total BTEX	
880-23434-4	C231	Total/NA	Solid	Total BTEX	
880-23434-5	C232	Total/NA	Solid	Total BTEX	
880-23434-6	C10	Total/NA	Solid	Total BTEX	
880-23434-7	SW5	Total/NA	Solid	Total BTEX	
880-23434-8	C233	Total/NA	Solid	Total BTEX	
880-23434-9	C234	Total/NA	Solid	Total BTEX	
880-23434-10	C2	Total/NA	Solid	Total BTEX	
880-23434-11	C1	Total/NA	Solid	Total BTEX	
880-23434-12	SW26	Total/NA	Solid	Total BTEX	
880-23434-13	SW27	Total/NA	Solid	Total BTEX	
880-23434-14	C226	Total/NA	Solid	Total BTEX	
880-23434-15	C227	Total/NA	Solid	Total BTEX	
880-23434-16	C228	Total/NA	Solid	Total BTEX	
880-23434-17	C229	Total/NA	Solid	Total BTEX	
880-23434-18	C230	Total/NA	Solid	Total BTEX	
880-23434-19	C205	Total/NA	Solid	Total BTEX	
880-23434-20	C206	Total/NA	Solid	Total BTEX	
880-23434-21	C207	Total/NA	Solid	Total BTEX	
880-23434-22	C208	Total/NA	Solid	Total BTEX	
880-23434-23	C209	Total/NA	Solid	Total BTEX	
880-23434-24	SW28	Total/NA	Solid	Total BTEX	
880-23434-25	SW29	Total/NA	Solid	Total BTEX	
880-23434-26	C210	Total/NA	Solid	Total BTEX	
880-23434-27	C211	Total/NA	Solid	Total BTEX	
880-23434-28	C212	Total/NA	Solid	Total BTEX	
880-23434-29	C213	Total/NA	Solid	Total BTEX	
880-23434-30	C214	Total/NA	Solid	Total BTEX	
880-23434-31	C215	Total/NA	Solid	Total BTEX	
880-23434-32	C216	Total/NA	Solid	Total BTEX	
880-23434-33	C217	Total/NA	Solid	Total BTEX	
880-23434-34	C218	Total/NA	Solid	Total BTEX	
880-23434-35	C219	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 43757 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-36	C220	Total/NA	Solid	Total BTEX	
880-23434-37	C221	Total/NA	Solid	Total BTEX	
880-23434-38	C222	Total/NA	Solid	Total BTEX	
880-23434-39	C223	Total/NA	Solid	Total BTEX	
880-23434-40	C224	Total/NA	Solid	Total BTEX	
880-23434-41	C225	Total/NA	Solid	Total BTEX	
880-23434-42	C28	Total/NA	Solid	Total BTEX	
880-23434-43	C29	Total/NA	Solid	Total BTEX	
880-23434-44	C30	Total/NA	Solid	Total BTEX	
880-23434-45	C33	Total/NA	Solid	Total BTEX	
880-23434-46	C39	Total/NA	Solid	Total BTEX	
880-23434-47	C40	Total/NA	Solid	Total BTEX	
880-23434-48	C48	Total/NA	Solid	Total BTEX	
880-23434-49	C49	Total/NA	Solid	Total BTEX	
880-23434-50	C50	Total/NA	Solid	Total BTEX	
880-23434-51	C51	Total/NA	Solid	Total BTEX	
880-23434-52	C53	Total/NA	Solid	Total BTEX	
880-23434-53	C54	Total/NA	Solid	Total BTEX	
880-23434-54	C55	Total/NA	Solid	Total BTEX	

Analysis Batch: 43785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-1	C15	Total/NA	Solid	8021B	43542
880-23434-2	C17	Total/NA	Solid	8021B	43542
880-23434-3	C11	Total/NA	Solid	8021B	43542
880-23434-4	C231	Total/NA	Solid	8021B	43542
880-23434-5	C232	Total/NA	Solid	8021B	43542
880-23434-6	C10	Total/NA	Solid	8021B	43542
880-23434-7	SW5	Total/NA	Solid	8021B	43542
880-23434-8	C233	Total/NA	Solid	8021B	43542
880-23434-9	C234	Total/NA	Solid	8021B	43542
880-23434-10	C2	Total/NA	Solid	8021B	43542
880-23434-11	C1	Total/NA	Solid	8021B	43542
880-23434-12	SW26	Total/NA	Solid	8021B	43542
880-23434-13	SW27	Total/NA	Solid	8021B	43542
880-23434-14	C226	Total/NA	Solid	8021B	43542
880-23434-15	C227	Total/NA	Solid	8021B	43542
880-23434-16	C228	Total/NA	Solid	8021B	43542
880-23434-17	C229	Total/NA	Solid	8021B	43542
880-23434-18	C230	Total/NA	Solid	8021B	43542
880-23434-19	C205	Total/NA	Solid	8021B	43542
880-23434-20	C206	Total/NA	Solid	8021B	43542
MB 880-43542/5-A	Method Blank	Total/NA	Solid	8021B	43542
LCS 880-43542/1-A	Lab Control Sample	Total/NA	Solid	8021B	43542
LCSD 880-43542/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43542
880-23434-1 MS	C15	Total/NA	Solid	8021B	43542
880-23434-1 MSD	C15	Total/NA	Solid	8021B	43542

Analysis Batch: 43790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-21	C207	Total/NA	Solid	8021B	43543

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 43790 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-22	C208	Total/NA	Solid	8021B	43543
880-23434-23	C209	Total/NA	Solid	8021B	43543
880-23434-24	SW28	Total/NA	Solid	8021B	43543
880-23434-25	SW29	Total/NA	Solid	8021B	43543
880-23434-26	C210	Total/NA	Solid	8021B	43543
880-23434-27	C211	Total/NA	Solid	8021B	43543
880-23434-28	C212	Total/NA	Solid	8021B	43543
880-23434-29	C213	Total/NA	Solid	8021B	43543
880-23434-30	C214	Total/NA	Solid	8021B	43543
880-23434-31	C215	Total/NA	Solid	8021B	43543
880-23434-32	C216	Total/NA	Solid	8021B	43543
880-23434-33	C217	Total/NA	Solid	8021B	43543
880-23434-34	C218	Total/NA	Solid	8021B	43543
880-23434-35	C219	Total/NA	Solid	8021B	43543
880-23434-36	C220	Total/NA	Solid	8021B	43543
880-23434-37	C221	Total/NA	Solid	8021B	43543
880-23434-38	C222	Total/NA	Solid	8021B	43543
880-23434-39	C223	Total/NA	Solid	8021B	43543
880-23434-40	C224	Total/NA	Solid	8021B	43543
MB 880-43543/5-A	Method Blank	Total/NA	Solid	8021B	43543
LCS 880-43543/1-A	Lab Control Sample	Total/NA	Solid	8021B	43543
LCSD 880-43543/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43543
880-23434-21 MS	C207	Total/NA	Solid	8021B	43543
880-23434-21 MSD	C207	Total/NA	Solid	8021B	43543

Analysis Batch: 43862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-41	C225	Total/NA	Solid	8021B	43539
880-23434-42	C28	Total/NA	Solid	8021B	43539
880-23434-43	C29	Total/NA	Solid	8021B	43539
880-23434-44	C30	Total/NA	Solid	8021B	43539
880-23434-45	C33	Total/NA	Solid	8021B	43539
MB 880-43539/5-A	Method Blank	Total/NA	Solid	8021B	43539
LCS 880-43539/1-A	Lab Control Sample	Total/NA	Solid	8021B	43539
LCSD 880-43539/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43539

GC Semi VOA

Prep Batch: 43713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-47	C40	Total/NA	Solid	8015NM Prep	
880-23434-48	C48	Total/NA	Solid	8015NM Prep	
880-23434-49	C49	Total/NA	Solid	8015NM Prep	
880-23434-50	C50	Total/NA	Solid	8015NM Prep	
880-23434-51	C51	Total/NA	Solid	8015NM Prep	
880-23434-52	C53	Total/NA	Solid	8015NM Prep	
880-23434-53	C54	Total/NA	Solid	8015NM Prep	
880-23434-54	C55	Total/NA	Solid	8015NM Prep	
MB 880-43713/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43713/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43713/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

GC Semi VOA

Prep Batch: 43765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-1	C15	Total/NA	Solid	8015NM Prep	
880-23434-2	C17	Total/NA	Solid	8015NM Prep	
880-23434-3	C11	Total/NA	Solid	8015NM Prep	
880-23434-4	C231	Total/NA	Solid	8015NM Prep	
880-23434-5	C232	Total/NA	Solid	8015NM Prep	
880-23434-6	C10	Total/NA	Solid	8015NM Prep	
880-23434-7	SW5	Total/NA	Solid	8015NM Prep	
880-23434-8	C233	Total/NA	Solid	8015NM Prep	
880-23434-9	C234	Total/NA	Solid	8015NM Prep	
880-23434-10	C2	Total/NA	Solid	8015NM Prep	
880-23434-11	C1	Total/NA	Solid	8015NM Prep	
880-23434-12	SW26	Total/NA	Solid	8015NM Prep	
880-23434-13	SW27	Total/NA	Solid	8015NM Prep	
880-23434-14	C226	Total/NA	Solid	8015NM Prep	
880-23434-15	C227	Total/NA	Solid	8015NM Prep	
880-23434-16	C228	Total/NA	Solid	8015NM Prep	
880-23434-17	C229	Total/NA	Solid	8015NM Prep	
880-23434-18	C230	Total/NA	Solid	8015NM Prep	
880-23434-19	C205	Total/NA	Solid	8015NM Prep	
880-23434-20	C206	Total/NA	Solid	8015NM Prep	
MB 880-43765/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43765/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23434-1 MS	C15	Total/NA	Solid	8015NM Prep	
880-23434-1 MSD	C15	Total/NA	Solid	8015NM Prep	

Prep Batch: 43766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-21	C207	Total/NA	Solid	8015NM Prep	
880-23434-22	C208	Total/NA	Solid	8015NM Prep	
880-23434-23	C209	Total/NA	Solid	8015NM Prep	
880-23434-24	SW28	Total/NA	Solid	8015NM Prep	
880-23434-25	SW29	Total/NA	Solid	8015NM Prep	
880-23434-26	C210	Total/NA	Solid	8015NM Prep	
880-23434-27	C211	Total/NA	Solid	8015NM Prep	
880-23434-28	C212	Total/NA	Solid	8015NM Prep	
880-23434-29	C213	Total/NA	Solid	8015NM Prep	
880-23434-30	C214	Total/NA	Solid	8015NM Prep	
880-23434-31	C215	Total/NA	Solid	8015NM Prep	
880-23434-32	C216	Total/NA	Solid	8015NM Prep	
880-23434-33	C217	Total/NA	Solid	8015NM Prep	
880-23434-34	C218	Total/NA	Solid	8015NM Prep	
880-23434-35	C219	Total/NA	Solid	8015NM Prep	
880-23434-36	C220	Total/NA	Solid	8015NM Prep	
880-23434-37	C221	Total/NA	Solid	8015NM Prep	
880-23434-38	C222	Total/NA	Solid	8015NM Prep	
880-23434-39	C223	Total/NA	Solid	8015NM Prep	
880-23434-40	C224	Total/NA	Solid	8015NM Prep	
MB 880-43766/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43766/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Prep Batch: 43766 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-21 MS	C207	Total/NA	Solid	8015NM Prep	
880-23434-21 MSD	C207	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-47	C40	Total/NA	Solid	8015B NM	43713
880-23434-48	C48	Total/NA	Solid	8015B NM	43713
880-23434-49	C49	Total/NA	Solid	8015B NM	43713
880-23434-50	C50	Total/NA	Solid	8015B NM	43713
880-23434-51	C51	Total/NA	Solid	8015B NM	43713
880-23434-52	C53	Total/NA	Solid	8015B NM	43713
880-23434-53	C54	Total/NA	Solid	8015B NM	43713
880-23434-54	C55	Total/NA	Solid	8015B NM	43713
MB 880-43713/1-A	Method Blank	Total/NA	Solid	8015B NM	43713
LCS 880-43713/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43713
LCSD 880-43713/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43713

Prep Batch: 43793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-41	C225	Total/NA	Solid	8015NM Prep	
880-23434-42	C28	Total/NA	Solid	8015NM Prep	
880-23434-43	C29	Total/NA	Solid	8015NM Prep	
880-23434-44	C30	Total/NA	Solid	8015NM Prep	
880-23434-45	C33	Total/NA	Solid	8015NM Prep	
880-23434-46	C39	Total/NA	Solid	8015NM Prep	
MB 880-43793/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43793/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43793/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23434-41 MS	C225	Total/NA	Solid	8015NM Prep	
880-23434-41 MSD	C225	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-41	C225	Total/NA	Solid	8015B NM	43793
880-23434-42	C28	Total/NA	Solid	8015B NM	43793
880-23434-43	C29	Total/NA	Solid	8015B NM	43793
880-23434-44	C30	Total/NA	Solid	8015B NM	43793
880-23434-45	C33	Total/NA	Solid	8015B NM	43793
880-23434-46	C39	Total/NA	Solid	8015B NM	43793
MB 880-43793/1-A	Method Blank	Total/NA	Solid	8015B NM	43793
LCS 880-43793/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43793
LCSD 880-43793/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43793
880-23434-41 MS	C225	Total/NA	Solid	8015B NM	43793
880-23434-41 MSD	C225	Total/NA	Solid	8015B NM	43793

Analysis Batch: 43896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-1	C15	Total/NA	Solid	8015 NM	
880-23434-2	C17	Total/NA	Solid	8015 NM	
880-23434-3	C11	Total/NA	Solid	8015 NM	
880-23434-4	C231	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Analysis Batch: 43896 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-5	C232	Total/NA	Solid	8015 NM	
880-23434-6	C10	Total/NA	Solid	8015 NM	
880-23434-7	SW5	Total/NA	Solid	8015 NM	
880-23434-8	C233	Total/NA	Solid	8015 NM	
880-23434-9	C234	Total/NA	Solid	8015 NM	
880-23434-10	C2	Total/NA	Solid	8015 NM	
880-23434-11	C1	Total/NA	Solid	8015 NM	
880-23434-12	SW26	Total/NA	Solid	8015 NM	
880-23434-13	SW27	Total/NA	Solid	8015 NM	
880-23434-14	C226	Total/NA	Solid	8015 NM	
880-23434-15	C227	Total/NA	Solid	8015 NM	
880-23434-16	C228	Total/NA	Solid	8015 NM	
880-23434-17	C229	Total/NA	Solid	8015 NM	
880-23434-18	C230	Total/NA	Solid	8015 NM	
880-23434-19	C205	Total/NA	Solid	8015 NM	
880-23434-20	C206	Total/NA	Solid	8015 NM	
880-23434-21	C207	Total/NA	Solid	8015 NM	
880-23434-22	C208	Total/NA	Solid	8015 NM	
880-23434-23	C209	Total/NA	Solid	8015 NM	
880-23434-24	SW28	Total/NA	Solid	8015 NM	
880-23434-25	SW29	Total/NA	Solid	8015 NM	
880-23434-26	C210	Total/NA	Solid	8015 NM	
880-23434-27	C211	Total/NA	Solid	8015 NM	
880-23434-28	C212	Total/NA	Solid	8015 NM	
880-23434-29	C213	Total/NA	Solid	8015 NM	
880-23434-30	C214	Total/NA	Solid	8015 NM	
880-23434-31	C215	Total/NA	Solid	8015 NM	
880-23434-32	C216	Total/NA	Solid	8015 NM	
880-23434-33	C217	Total/NA	Solid	8015 NM	
880-23434-34	C218	Total/NA	Solid	8015 NM	
880-23434-35	C219	Total/NA	Solid	8015 NM	
880-23434-36	C220	Total/NA	Solid	8015 NM	
880-23434-37	C221	Total/NA	Solid	8015 NM	
880-23434-38	C222	Total/NA	Solid	8015 NM	
880-23434-39	C223	Total/NA	Solid	8015 NM	
880-23434-40	C224	Total/NA	Solid	8015 NM	
880-23434-41	C225	Total/NA	Solid	8015 NM	
880-23434-42	C28	Total/NA	Solid	8015 NM	
880-23434-43	C29	Total/NA	Solid	8015 NM	
880-23434-44	C30	Total/NA	Solid	8015 NM	
880-23434-45	C33	Total/NA	Solid	8015 NM	
880-23434-46	C39	Total/NA	Solid	8015 NM	
880-23434-47	C40	Total/NA	Solid	8015 NM	
880-23434-48	C48	Total/NA	Solid	8015 NM	
880-23434-49	C49	Total/NA	Solid	8015 NM	
880-23434-50	C50	Total/NA	Solid	8015 NM	
880-23434-51	C51	Total/NA	Solid	8015 NM	
880-23434-52	C53	Total/NA	Solid	8015 NM	
880-23434-53	C54	Total/NA	Solid	8015 NM	
880-23434-54	C55	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

GC Semi VOA

Analysis Batch: 43941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-1	C15	Total/NA	Solid	8015B NM	43765
880-23434-2	C17	Total/NA	Solid	8015B NM	43765
880-23434-3	C11	Total/NA	Solid	8015B NM	43765
880-23434-4	C231	Total/NA	Solid	8015B NM	43765
880-23434-5	C232	Total/NA	Solid	8015B NM	43765
880-23434-6	C10	Total/NA	Solid	8015B NM	43765
880-23434-7	SW5	Total/NA	Solid	8015B NM	43765
880-23434-8	C233	Total/NA	Solid	8015B NM	43765
880-23434-9	C234	Total/NA	Solid	8015B NM	43765
880-23434-10	C2	Total/NA	Solid	8015B NM	43765
880-23434-11	C1	Total/NA	Solid	8015B NM	43765
880-23434-12	SW26	Total/NA	Solid	8015B NM	43765
880-23434-13	SW27	Total/NA	Solid	8015B NM	43765
880-23434-14	C226	Total/NA	Solid	8015B NM	43765
880-23434-15	C227	Total/NA	Solid	8015B NM	43765
880-23434-16	C228	Total/NA	Solid	8015B NM	43765
880-23434-17	C229	Total/NA	Solid	8015B NM	43765
880-23434-18	C230	Total/NA	Solid	8015B NM	43765
880-23434-19	C205	Total/NA	Solid	8015B NM	43765
880-23434-20	C206	Total/NA	Solid	8015B NM	43765
880-23434-21	C207	Total/NA	Solid	8015B NM	43766
880-23434-22	C208	Total/NA	Solid	8015B NM	43766
880-23434-23	C209	Total/NA	Solid	8015B NM	43766
880-23434-24	SW28	Total/NA	Solid	8015B NM	43766
880-23434-25	SW29	Total/NA	Solid	8015B NM	43766
880-23434-26	C210	Total/NA	Solid	8015B NM	43766
880-23434-27	C211	Total/NA	Solid	8015B NM	43766
880-23434-28	C212	Total/NA	Solid	8015B NM	43766
880-23434-29	C213	Total/NA	Solid	8015B NM	43766
880-23434-30	C214	Total/NA	Solid	8015B NM	43766
880-23434-31	C215	Total/NA	Solid	8015B NM	43766
880-23434-32	C216	Total/NA	Solid	8015B NM	43766
880-23434-33	C217	Total/NA	Solid	8015B NM	43766
880-23434-34	C218	Total/NA	Solid	8015B NM	43766
880-23434-35	C219	Total/NA	Solid	8015B NM	43766
880-23434-36	C220	Total/NA	Solid	8015B NM	43766
880-23434-37	C221	Total/NA	Solid	8015B NM	43766
880-23434-38	C222	Total/NA	Solid	8015B NM	43766
880-23434-39	C223	Total/NA	Solid	8015B NM	43766
880-23434-40	C224	Total/NA	Solid	8015B NM	43766
MB 880-43765/1-A	Method Blank	Total/NA	Solid	8015B NM	43765
MB 880-43766/1-A	Method Blank	Total/NA	Solid	8015B NM	43766
LCS 880-43765/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43765
LCS 880-43766/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43766
LCSD 880-43765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43765
LCSD 880-43766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43766
880-23434-1 MS	C15	Total/NA	Solid	8015B NM	43765
880-23434-1 MSD	C15	Total/NA	Solid	8015B NM	43765
880-23434-21 MS	C207	Total/NA	Solid	8015B NM	43766
880-23434-21 MSD	C207	Total/NA	Solid	8015B NM	43766

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

HPLC/IC

Leach Batch: 43643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-1	C15	Soluble	Solid	DI Leach	
880-23434-2	C17	Soluble	Solid	DI Leach	
880-23434-3	C11	Soluble	Solid	DI Leach	
880-23434-4	C231	Soluble	Solid	DI Leach	
880-23434-5	C232	Soluble	Solid	DI Leach	
880-23434-6	C10	Soluble	Solid	DI Leach	
880-23434-7	SW5	Soluble	Solid	DI Leach	
880-23434-8	C233	Soluble	Solid	DI Leach	
880-23434-9	C234	Soluble	Solid	DI Leach	
880-23434-10	C2	Soluble	Solid	DI Leach	
880-23434-11	C1	Soluble	Solid	DI Leach	
880-23434-12	SW26	Soluble	Solid	DI Leach	
880-23434-13	SW27	Soluble	Solid	DI Leach	
880-23434-14	C226	Soluble	Solid	DI Leach	
880-23434-15	C227	Soluble	Solid	DI Leach	
880-23434-16	C228	Soluble	Solid	DI Leach	
880-23434-17	C229	Soluble	Solid	DI Leach	
880-23434-18	C230	Soluble	Solid	DI Leach	
880-23434-19	C205	Soluble	Solid	DI Leach	
880-23434-20	C206	Soluble	Solid	DI Leach	
MB 880-43643/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43643/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43643/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23434-1 MS	C15	Soluble	Solid	DI Leach	
880-23434-1 MSD	C15	Soluble	Solid	DI Leach	
880-23434-11 MS	C1	Soluble	Solid	DI Leach	
880-23434-11 MSD	C1	Soluble	Solid	DI Leach	

Leach Batch: 43644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-21	C207	Soluble	Solid	DI Leach	
880-23434-22	C208	Soluble	Solid	DI Leach	
880-23434-23	C209	Soluble	Solid	DI Leach	
880-23434-24	SW28	Soluble	Solid	DI Leach	
880-23434-25	SW29	Soluble	Solid	DI Leach	
880-23434-26	C210	Soluble	Solid	DI Leach	
880-23434-27	C211	Soluble	Solid	DI Leach	
880-23434-28	C212	Soluble	Solid	DI Leach	
880-23434-29	C213	Soluble	Solid	DI Leach	
880-23434-30	C214	Soluble	Solid	DI Leach	
880-23434-31	C215	Soluble	Solid	DI Leach	
880-23434-32	C216	Soluble	Solid	DI Leach	
880-23434-33	C217	Soluble	Solid	DI Leach	
880-23434-34	C218	Soluble	Solid	DI Leach	
880-23434-35	C219	Soluble	Solid	DI Leach	
880-23434-36	C220	Soluble	Solid	DI Leach	
880-23434-37	C221	Soluble	Solid	DI Leach	
880-23434-38	C222	Soluble	Solid	DI Leach	
880-23434-39	C223	Soluble	Solid	DI Leach	
880-23434-40	C224	Soluble	Solid	DI Leach	
MB 880-43644/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

HPLC/IC (Continued)

Leach Batch: 43644 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-43644/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43644/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23434-21 MS	C207	Soluble	Solid	DI Leach	
880-23434-21 MSD	C207	Soluble	Solid	DI Leach	
880-23434-31 MS	C215	Soluble	Solid	DI Leach	
880-23434-31 MSD	C215	Soluble	Solid	DI Leach	

Leach Batch: 43645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-41	C225	Soluble	Solid	DI Leach	
880-23434-42	C28	Soluble	Solid	DI Leach	
880-23434-43	C29	Soluble	Solid	DI Leach	
880-23434-44	C30	Soluble	Solid	DI Leach	
880-23434-45	C33	Soluble	Solid	DI Leach	
880-23434-46	C39	Soluble	Solid	DI Leach	
880-23434-47	C40	Soluble	Solid	DI Leach	
880-23434-48	C48	Soluble	Solid	DI Leach	
880-23434-49	C49	Soluble	Solid	DI Leach	
880-23434-50	C50	Soluble	Solid	DI Leach	
880-23434-51	C51	Soluble	Solid	DI Leach	
880-23434-52	C53	Soluble	Solid	DI Leach	
880-23434-53	C54	Soluble	Solid	DI Leach	
880-23434-54	C55	Soluble	Solid	DI Leach	
MB 880-43645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23434-41 MS	C225	Soluble	Solid	DI Leach	
880-23434-41 MSD	C225	Soluble	Solid	DI Leach	
880-23434-51 MS	C51	Soluble	Solid	DI Leach	
880-23434-51 MSD	C51	Soluble	Solid	DI Leach	

Analysis Batch: 43871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-1	C15	Soluble	Solid	300.0	43643
880-23434-2	C17	Soluble	Solid	300.0	43643
880-23434-3	C11	Soluble	Solid	300.0	43643
880-23434-4	C231	Soluble	Solid	300.0	43643
880-23434-5	C232	Soluble	Solid	300.0	43643
880-23434-6	C10	Soluble	Solid	300.0	43643
880-23434-7	SW5	Soluble	Solid	300.0	43643
880-23434-8	C233	Soluble	Solid	300.0	43643
880-23434-9	C234	Soluble	Solid	300.0	43643
880-23434-10	C2	Soluble	Solid	300.0	43643
880-23434-11	C1	Soluble	Solid	300.0	43643
880-23434-12	SW26	Soluble	Solid	300.0	43643
880-23434-13	SW27	Soluble	Solid	300.0	43643
880-23434-14	C226	Soluble	Solid	300.0	43643
880-23434-15	C227	Soluble	Solid	300.0	43643
880-23434-16	C228	Soluble	Solid	300.0	43643
880-23434-17	C229	Soluble	Solid	300.0	43643
880-23434-18	C230	Soluble	Solid	300.0	43643

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

HPLC/IC (Continued)

Analysis Batch: 43871 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-19	C205	Soluble	Solid	300.0	43643
880-23434-20	C206	Soluble	Solid	300.0	43643
MB 880-43643/1-A	Method Blank	Soluble	Solid	300.0	43643
LCS 880-43643/2-A	Lab Control Sample	Soluble	Solid	300.0	43643
LCSD 880-43643/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43643
880-23434-1 MS	C15	Soluble	Solid	300.0	43643
880-23434-1 MSD	C15	Soluble	Solid	300.0	43643
880-23434-11 MS	C1	Soluble	Solid	300.0	43643
880-23434-11 MSD	C1	Soluble	Solid	300.0	43643

Analysis Batch: 43873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-21	C207	Soluble	Solid	300.0	43644
880-23434-22	C208	Soluble	Solid	300.0	43644
880-23434-23	C209	Soluble	Solid	300.0	43644
880-23434-24	SW28	Soluble	Solid	300.0	43644
880-23434-25	SW29	Soluble	Solid	300.0	43644
880-23434-26	C210	Soluble	Solid	300.0	43644
880-23434-27	C211	Soluble	Solid	300.0	43644
880-23434-28	C212	Soluble	Solid	300.0	43644
880-23434-29	C213	Soluble	Solid	300.0	43644
880-23434-30	C214	Soluble	Solid	300.0	43644
880-23434-31	C215	Soluble	Solid	300.0	43644
880-23434-32	C216	Soluble	Solid	300.0	43644
880-23434-33	C217	Soluble	Solid	300.0	43644
880-23434-34	C218	Soluble	Solid	300.0	43644
880-23434-35	C219	Soluble	Solid	300.0	43644
880-23434-36	C220	Soluble	Solid	300.0	43644
880-23434-37	C221	Soluble	Solid	300.0	43644
880-23434-38	C222	Soluble	Solid	300.0	43644
880-23434-39	C223	Soluble	Solid	300.0	43644
880-23434-40	C224	Soluble	Solid	300.0	43644
MB 880-43644/1-A	Method Blank	Soluble	Solid	300.0	43644
LCS 880-43644/2-A	Lab Control Sample	Soluble	Solid	300.0	43644
LCSD 880-43644/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43644
880-23434-21 MS	C207	Soluble	Solid	300.0	43644
880-23434-21 MSD	C207	Soluble	Solid	300.0	43644
880-23434-31 MS	C215	Soluble	Solid	300.0	43644
880-23434-31 MSD	C215	Soluble	Solid	300.0	43644

Analysis Batch: 43875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-41	C225	Soluble	Solid	300.0	43645
880-23434-42	C28	Soluble	Solid	300.0	43645
880-23434-43	C29	Soluble	Solid	300.0	43645
880-23434-44	C30	Soluble	Solid	300.0	43645
880-23434-45	C33	Soluble	Solid	300.0	43645
880-23434-46	C39	Soluble	Solid	300.0	43645
880-23434-47	C40	Soluble	Solid	300.0	43645
880-23434-48	C48	Soluble	Solid	300.0	43645
880-23434-49	C49	Soluble	Solid	300.0	43645

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

HPLC/IC (Continued)

Analysis Batch: 43875 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23434-50	C50	Soluble	Solid	300.0	43645
880-23434-51	C51	Soluble	Solid	300.0	43645
880-23434-52	C53	Soluble	Solid	300.0	43645
880-23434-53	C54	Soluble	Solid	300.0	43645
880-23434-54	C55	Soluble	Solid	300.0	43645
MB 880-43645/1-A	Method Blank	Soluble	Solid	300.0	43645
LCS 880-43645/2-A	Lab Control Sample	Soluble	Solid	300.0	43645
LCSD 880-43645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43645
880-23434-41 MS	C225	Soluble	Solid	300.0	43645
880-23434-41 MSD	C225	Soluble	Solid	300.0	43645
880-23434-51 MS	C51	Soluble	Solid	300.0	43645
880-23434-51 MSD	C51	Soluble	Solid	300.0	43645

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C15

Lab Sample ID: 880-23434-1

Date Collected: 01/03/23 13:45

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 11:51	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 11:35	CH	EET MID

Client Sample ID: C17

Lab Sample ID: 880-23434-2

Date Collected: 01/03/23 13:46

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 12:57	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 11:54	CH	EET MID

Client Sample ID: C11

Lab Sample ID: 880-23434-3

Date Collected: 01/03/23 13:47

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 13:19	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 12:00	CH	EET MID

Client Sample ID: C231

Lab Sample ID: 880-23434-4

Date Collected: 01/04/23 10:00

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C231**Lab Sample ID: 880-23434-4****Date Collected: 01/04/23 10:00****Matrix: Solid****Date Received: 01/09/23 08:15**

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			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 13:40	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 12:06	CH	EET MID

Client Sample ID: C232**Lab Sample ID: 880-23434-5****Date Collected: 01/04/23 10:01****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 14:01	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		1			43871	01/13/23 12:12	CH	EET MID

Client Sample ID: C10**Lab Sample ID: 880-23434-6****Date Collected: 01/04/23 10:02****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 13:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 14:23	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 12:31	CH	EET MID

Client Sample ID: SW5**Lab Sample ID: 880-23434-7****Date Collected: 01/04/23 12:30****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 14:44	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: SW5

Lab Sample ID: 880-23434-7

Date Collected: 01/04/23 12:30

Matrix: Solid

Date Received: 01/09/23 08:15

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	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		20			43871	01/13/23 12:37	CH	EET MID

Client Sample ID: C233

Lab Sample ID: 880-23434-8

Date Collected: 01/04/23 12:31

Matrix: Solid

Date Received: 01/09/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 15:06	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 12:43	CH	EET MID

Client Sample ID: C234

Lab Sample ID: 880-23434-9

Date Collected: 01/04/23 12:32

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 15:27	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		1			43871	01/13/23 12:50	CH	EET MID

Client Sample ID: C2

Lab Sample ID: 880-23434-10

Date Collected: 01/05/23 08:00

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 15:49	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 12:56	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C1

Lab Sample ID: 880-23434-11

Date Collected: 01/05/23 10:45

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 16:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 16:32	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 13:02	CH	EET MID

Client Sample ID: SW26

Lab Sample ID: 880-23434-12

Date Collected: 01/05/23 12:00

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 16:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 16:54	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 13:20	CH	EET MID

Client Sample ID: SW27

Lab Sample ID: 880-23434-13

Date Collected: 01/05/23 12:01

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 16:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 17:15	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 13:27	CH	EET MID

Client Sample ID: C226

Lab Sample ID: 880-23434-14

Date Collected: 01/05/23 12:02

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C226

Lab Sample ID: 880-23434-14

Date Collected: 01/05/23 12:02

Matrix: Solid

Date Received: 01/09/23 08:15

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			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 17:36	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		1			43871	01/13/23 13:45	CH	EET MID

Client Sample ID: C227

Lab Sample ID: 880-23434-15

Date Collected: 01/05/23 12:03

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 17:58	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		1			43871	01/13/23 13:51	CH	EET MID

Client Sample ID: C228

Lab Sample ID: 880-23434-16

Date Collected: 01/05/23 12:04

Matrix: Solid

Date Received: 01/09/23 08:15

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 18:19	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		1			43871	01/13/23 13:57	CH	EET MID

Client Sample ID: C229

Lab Sample ID: 880-23434-17

Date Collected: 01/05/23 12:05

Matrix: Solid

Date Received: 01/09/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 18:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 18:41	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C229**Lab Sample ID: 880-23434-17****Date Collected: 01/05/23 12:05****Matrix: Solid****Date Received: 01/09/23 08:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		1			43871	01/13/23 14:04	CH	EET MID

Client Sample ID: C230**Lab Sample ID: 880-23434-18****Date Collected: 01/05/23 12:06****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 19:03	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		1			43871	01/13/23 14:10	CH	EET MID

Client Sample ID: C205**Lab Sample ID: 880-23434-19****Date Collected: 01/05/23 12:07****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 19:24	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		10			43871	01/13/23 14:16	CH	EET MID

Client Sample ID: C206**Lab Sample ID: 880-23434-20****Date Collected: 01/05/23 12:08****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43542	01/09/23 12:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43785	01/12/23 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 08:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43765	01/11/23 15:28	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 19:46	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43643	01/10/23 12:07	KS	EET MID
Soluble	Analysis	300.0		1			43871	01/13/23 14:22	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C207

Lab Sample ID: 880-23434-21

Date Collected: 01/05/23 12:09

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 13:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 21:33	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 15:36	CH	EET MID

Client Sample ID: C208

Lab Sample ID: 880-23434-22

Date Collected: 01/05/23 12:10

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 22:38	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 15:55	CH	EET MID

Client Sample ID: C209

Lab Sample ID: 880-23434-23

Date Collected: 01/05/23 12:11

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 22:59	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 16:40	CH	EET MID

Client Sample ID: SW28

Lab Sample ID: 880-23434-24

Date Collected: 01/05/23 12:12

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: SW28**Lab Sample ID: 880-23434-24****Date Collected: 01/05/23 12:12****Matrix: Solid****Date Received: 01/09/23 08:15**

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			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 23:20	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 16:47	CH	EET MID

Client Sample ID: SW29**Lab Sample ID: 880-23434-25****Date Collected: 01/05/23 12:13****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 14:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/14/23 23:42	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 16:53	CH	EET MID

Client Sample ID: C210**Lab Sample ID: 880-23434-26****Date Collected: 01/05/23 12:14****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 00:03	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 17:12	CH	EET MID

Client Sample ID: C211**Lab Sample ID: 880-23434-27****Date Collected: 01/05/23 12:15****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 15:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 00:25	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C211**Lab Sample ID: 880-23434-27****Date Collected: 01/05/23 12:15****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 17:18	CH	EET MID

Client Sample ID: C212**Lab Sample ID: 880-23434-28****Date Collected: 01/05/23 12:16****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 15:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 00:47	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 17:24	CH	EET MID

Client Sample ID: C213**Lab Sample ID: 880-23434-29****Date Collected: 01/05/23 12:17****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 15:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 01:09	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 17:30	CH	EET MID

Client Sample ID: C214**Lab Sample ID: 880-23434-30****Date Collected: 01/05/23 12:18****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 16:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 01:30	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 17:36	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C215

Lab Sample ID: 880-23434-31

Date Collected: 01/05/23 12:19

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 02:14	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 17:42	CH	EET MID

Client Sample ID: C216

Lab Sample ID: 880-23434-32

Date Collected: 01/05/23 12:20

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 02:35	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 18:01	CH	EET MID

Client Sample ID: C217

Lab Sample ID: 880-23434-33

Date Collected: 01/05/23 12:21

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 02:57	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 18:07	CH	EET MID

Client Sample ID: C218

Lab Sample ID: 880-23434-34

Date Collected: 01/05/23 12:22

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 19:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C218

Lab Sample ID: 880-23434-34

Date Collected: 01/05/23 12:22

Matrix: Solid

Date Received: 01/09/23 08:15

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			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 03:19	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 18:25	CH	EET MID

Client Sample ID: C219

Lab Sample ID: 880-23434-35

Date Collected: 01/05/23 12:23

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 19:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 03:41	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 18:32	CH	EET MID

Client Sample ID: C220

Lab Sample ID: 880-23434-36

Date Collected: 01/05/23 12:24

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 19:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 04:02	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 18:38	CH	EET MID

Client Sample ID: C221

Lab Sample ID: 880-23434-37

Date Collected: 01/05/23 12:25

Matrix: Solid

Date Received: 01/09/23 08:15

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 20:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 04:23	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C221**Lab Sample ID: 880-23434-37****Date Collected: 01/05/23 12:25****Matrix: Solid****Date Received: 01/09/23 08:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 18:44	CH	EET MID

Client Sample ID: C222**Lab Sample ID: 880-23434-38****Date Collected: 01/05/23 12:26****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 20:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 04:45	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 18:50	CH	EET MID

Client Sample ID: C223**Lab Sample ID: 880-23434-39****Date Collected: 01/05/23 15:00****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 20:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 05:07	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 18:56	CH	EET MID

Client Sample ID: C224**Lab Sample ID: 880-23434-40****Date Collected: 01/05/23 12:28****Matrix: Solid****Date Received: 01/09/23 08:15**

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	43543	01/09/23 12:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43790	01/12/23 21:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/13/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43766	01/11/23 15:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43941	01/15/23 05:28	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43644	01/10/23 12:09	KS	EET MID
Soluble	Analysis	300.0		1			43873	01/13/23 19:02	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C225

Lab Sample ID: 880-23434-41

Date Collected: 01/05/23 12:29

Matrix: Solid

Date Received: 01/09/23 08:15

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	43539	01/09/23 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43862	01/13/23 18:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/16/23 16:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43793	01/12/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43852	01/13/23 20:57	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 20:55	CH	EET MID

Client Sample ID: C28

Lab Sample ID: 880-23434-42

Date Collected: 01/06/23 08:00

Matrix: Solid

Date Received: 01/09/23 08:15

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	43539	01/09/23 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43862	01/13/23 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/16/23 16:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43793	01/12/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43852	01/13/23 22:04	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 21:12	CH	EET MID

Client Sample ID: C29

Lab Sample ID: 880-23434-43

Date Collected: 01/06/23 08:01

Matrix: Solid

Date Received: 01/09/23 08:15

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	43539	01/09/23 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43862	01/13/23 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/16/23 16:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43793	01/12/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43852	01/13/23 22:26	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 21:17	CH	EET MID

Client Sample ID: C30

Lab Sample ID: 880-23434-44

Date Collected: 01/06/23 08:02

Matrix: Solid

Date Received: 01/09/23 08:15

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	43539	01/09/23 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43862	01/13/23 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/16/23 16:54	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C30

Lab Sample ID: 880-23434-44

Date Collected: 01/06/23 08:02

Matrix: Solid

Date Received: 01/09/23 08:15

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			43896	01/16/23 16:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43793	01/12/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43852	01/13/23 22:48	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 21:23	CH	EET MID

Client Sample ID: C33

Lab Sample ID: 880-23434-45

Date Collected: 01/06/23 08:05

Matrix: Solid

Date Received: 01/09/23 08:15

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	43539	01/09/23 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43862	01/13/23 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/16/23 16:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43793	01/12/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43852	01/13/23 23:09	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 21:28	CH	EET MID

Client Sample ID: C39

Lab Sample ID: 880-23434-46

Date Collected: 01/06/23 08:06

Matrix: Solid

Date Received: 01/09/23 08:15

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	43675	01/10/23 15:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43697	01/11/23 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/12/23 13:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/16/23 16:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43793	01/12/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43852	01/13/23 23:31	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 21:44	CH	EET MID

Client Sample ID: C40

Lab Sample ID: 880-23434-47

Date Collected: 01/06/23 08:07

Matrix: Solid

Date Received: 01/09/23 08:15

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	43675	01/10/23 15:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43697	01/11/23 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/12/23 13:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/13/23 12:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43713	01/11/23 09:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43779	01/13/23 00:48	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C40

Lab Sample ID: 880-23434-47

Date Collected: 01/06/23 08:07

Matrix: Solid

Date Received: 01/09/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 21:50	CH	EET MID

Client Sample ID: C48

Lab Sample ID: 880-23434-48

Date Collected: 01/06/23 10:00

Matrix: Solid

Date Received: 01/09/23 08:15

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	43675	01/10/23 15:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43697	01/11/23 20:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/12/23 13:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/13/23 12:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43713	01/11/23 09:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43779	01/13/23 01:32	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 21:55	CH	EET MID

Client Sample ID: C49

Lab Sample ID: 880-23434-49

Date Collected: 01/06/23 10:01

Matrix: Solid

Date Received: 01/09/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	43675	01/10/23 15:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43697	01/11/23 20:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/12/23 13:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/13/23 12:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43713	01/11/23 09:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43779	01/13/23 01:54	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 22:01	CH	EET MID

Client Sample ID: C50

Lab Sample ID: 880-23434-50

Date Collected: 01/06/23 10:02

Matrix: Solid

Date Received: 01/09/23 08:15

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	43610	01/10/23 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43597	01/10/23 22:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/11/23 14:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/13/23 12:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43713	01/11/23 09:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43779	01/13/23 02:17	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 22:06	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C51

Lab Sample ID: 880-23434-51

Date Collected: 01/06/23 10:03

Matrix: Solid

Date Received: 01/09/23 08:15

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	43610	01/10/23 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43597	01/10/23 22:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/11/23 14:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/13/23 12:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43713	01/11/23 09:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43779	01/13/23 02:39	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 22:12	CH	EET MID

Client Sample ID: C53

Lab Sample ID: 880-23434-52

Date Collected: 01/06/23 10:04

Matrix: Solid

Date Received: 01/09/23 08:15

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	43610	01/10/23 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43597	01/10/23 22:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/11/23 14:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/13/23 12:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43713	01/11/23 09:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43779	01/13/23 03:02	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 22:28	CH	EET MID

Client Sample ID: C54

Lab Sample ID: 880-23434-53

Date Collected: 01/06/23 10:05

Matrix: Solid

Date Received: 01/09/23 08:15

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	43610	01/10/23 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43597	01/10/23 23:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/11/23 14:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			43896	01/13/23 12:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43713	01/11/23 09:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43779	01/13/23 03:23	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 22:34	CH	EET MID

Client Sample ID: C55

Lab Sample ID: 880-23434-54

Date Collected: 01/06/23 10:06

Matrix: Solid

Date Received: 01/09/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	43610	01/10/23 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43597	01/10/23 23:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43757	01/11/23 14:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Client Sample ID: C55
Date Collected: 01/06/23 10:06
Date Received: 01/09/23 08:15

Lab Sample ID: 880-23434-54
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			43896	01/13/23 12:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43713	01/11/23 09:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43779	01/13/23 03:45	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43645	01/10/23 12:10	KS	EET MID
Soluble	Analysis	300.0		1			43875	01/13/23 22:50	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: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23434-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23434-1	C15	Solid	01/03/23 13:45	01/09/23 08:15
880-23434-2	C17	Solid	01/03/23 13:46	01/09/23 08:15
880-23434-3	C11	Solid	01/03/23 13:47	01/09/23 08:15
880-23434-4	C231	Solid	01/04/23 10:00	01/09/23 08:15
880-23434-5	C232	Solid	01/04/23 10:01	01/09/23 08:15
880-23434-6	C10	Solid	01/04/23 10:02	01/09/23 08:15
880-23434-7	SW5	Solid	01/04/23 12:30	01/09/23 08:15
880-23434-8	C233	Solid	01/04/23 12:31	01/09/23 08:15
880-23434-9	C234	Solid	01/04/23 12:32	01/09/23 08:15
880-23434-10	C2	Solid	01/05/23 08:00	01/09/23 08:15
880-23434-11	C1	Solid	01/05/23 10:45	01/09/23 08:15
880-23434-12	SW26	Solid	01/05/23 12:00	01/09/23 08:15
880-23434-13	SW27	Solid	01/05/23 12:01	01/09/23 08:15
880-23434-14	C226	Solid	01/05/23 12:02	01/09/23 08:15
880-23434-15	C227	Solid	01/05/23 12:03	01/09/23 08:15
880-23434-16	C228	Solid	01/05/23 12:04	01/09/23 08:15
880-23434-17	C229	Solid	01/05/23 12:05	01/09/23 08:15
880-23434-18	C230	Solid	01/05/23 12:06	01/09/23 08:15
880-23434-19	C205	Solid	01/05/23 12:07	01/09/23 08:15
880-23434-20	C206	Solid	01/05/23 12:08	01/09/23 08:15
880-23434-21	C207	Solid	01/05/23 12:09	01/09/23 08:15
880-23434-22	C208	Solid	01/05/23 12:10	01/09/23 08:15
880-23434-23	C209	Solid	01/05/23 12:11	01/09/23 08:15
880-23434-24	SW28	Solid	01/05/23 12:12	01/09/23 08:15
880-23434-25	SW29	Solid	01/05/23 12:13	01/09/23 08:15
880-23434-26	C210	Solid	01/05/23 12:14	01/09/23 08:15
880-23434-27	C211	Solid	01/05/23 12:15	01/09/23 08:15
880-23434-28	C212	Solid	01/05/23 12:16	01/09/23 08:15
880-23434-29	C213	Solid	01/05/23 12:17	01/09/23 08:15
880-23434-30	C214	Solid	01/05/23 12:18	01/09/23 08:15
880-23434-31	C215	Solid	01/05/23 12:19	01/09/23 08:15
880-23434-32	C216	Solid	01/05/23 12:20	01/09/23 08:15
880-23434-33	C217	Solid	01/05/23 12:21	01/09/23 08:15
880-23434-34	C218	Solid	01/05/23 12:22	01/09/23 08:15
880-23434-35	C219	Solid	01/05/23 12:23	01/09/23 08:15
880-23434-36	C220	Solid	01/05/23 12:24	01/09/23 08:15
880-23434-37	C221	Solid	01/05/23 12:25	01/09/23 08:15
880-23434-38	C222	Solid	01/05/23 12:26	01/09/23 08:15
880-23434-39	C223	Solid	01/05/23 15:00	01/09/23 08:15
880-23434-40	C224	Solid	01/05/23 12:28	01/09/23 08:15
880-23434-41	C225	Solid	01/05/23 12:29	01/09/23 08:15
880-23434-42	C28	Solid	01/06/23 08:00	01/09/23 08:15
880-23434-43	C29	Solid	01/06/23 08:01	01/09/23 08:15
880-23434-44	C30	Solid	01/06/23 08:02	01/09/23 08:15
880-23434-45	C33	Solid	01/06/23 08:05	01/09/23 08:15
880-23434-46	C39	Solid	01/06/23 08:06	01/09/23 08:15
880-23434-47	C40	Solid	01/06/23 08:07	01/09/23 08:15
880-23434-48	C48	Solid	01/06/23 10:00	01/09/23 08:15
880-23434-49	C49	Solid	01/06/23 10:01	01/09/23 08:15
880-23434-50	C50	Solid	01/06/23 10:02	01/09/23 08:15
880-23434-51	C51	Solid	01/06/23 10:03	01/09/23 08:15
880-23434-52	C53	Solid	01/06/23 10:04	01/09/23 08:15
880-23434-53	C54	Solid	01/06/23 10:05	01/09/23 08:15
880-23434-54	C55	Solid	01/06/23 10:06	01/09/23 08:15

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[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-23434-1

SDG Number: 22-0107-01

Login Number: 23434

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 1/26/2023 11:38:23 AM

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0107-01

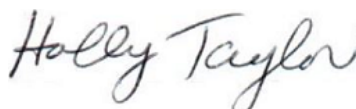
JOB NUMBER

880-23715-1

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
1/26/2023 11:38:23 AM

Authorized for release by
Holly Taylor, Project Manager
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Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Laboratory Job ID: 880-23715-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

Job ID: 880-23715-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-23715-1**

Receipt

The samples were received on 1/16/2023 11:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-4 0-3.5' (880-23715-1) and SW-8 0-5' (880-23715-2).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-8 0-5' (880-23715-2). 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.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-43987/2-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44238 and analytical batch 880-44368 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: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

Client Sample ID: SW-4 0-3.5'

Lab Sample ID: 880-23715-1

Date Collected: 01/12/23 11:00

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/25/23 09:03	01/25/23 20:09	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/25/23 09:03	01/25/23 20:09	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/25/23 09:03	01/25/23 20:09	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/25/23 09:03	01/25/23 20:09	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/25/23 09:03	01/25/23 20:09	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/25/23 09:03	01/25/23 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	01/25/23 09:03	01/25/23 20:09	1
1,4-Difluorobenzene (Surr)	117		70 - 130	01/25/23 09:03	01/25/23 20:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/26/23 12:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/18/23 14:10	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		01/16/23 14:04	01/17/23 20:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/16/23 14:04	01/17/23 20:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/16/23 14:04	01/17/23 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	01/16/23 14:04	01/17/23 20:37	1
o-Terphenyl (Surr)	113		70 - 130	01/16/23 14:04	01/17/23 20:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9	F1	5.02	mg/Kg			01/19/23 14:13	1

Client Sample ID: SW-8 0-5'

Lab Sample ID: 880-23715-2

Date Collected: 01/12/23 11:02

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/19/23 12:54	01/20/23 19:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 12:54	01/20/23 19:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 12:54	01/20/23 19:34	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/19/23 12:54	01/20/23 19:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/19/23 12:54	01/20/23 19:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/19/23 12:54	01/20/23 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	01/19/23 12:54	01/20/23 19:34	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	01/19/23 12:54	01/20/23 19:34	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

Client Sample ID: SW-8 0-5'

Lab Sample ID: 880-23715-2

Date Collected: 01/12/23 11:02

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/23/23 12:35	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			01/18/23 14:10	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		01/16/23 14:04	01/17/23 20:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/16/23 14:04	01/17/23 20:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/16/23 14:04	01/17/23 20:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			01/16/23 14:04	01/17/23 20:59	1
o-Terphenyl (Surr)	105		70 - 130			01/16/23 14:04	01/17/23 20:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	705		49.7	mg/Kg			01/19/23 14:31	10

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

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)
880-23715-1	SW-4 0-3.5'	104	117
880-23715-2	SW-8 0-5'	86	63 S1-
LCS 880-44329/1-A	Lab Control Sample	91	98
LCS 880-44700/1-A	Lab Control Sample	92	112
LCSD 880-44329/2-A	Lab Control Sample Dup	88	103
LCSD 880-44700/2-A	Lab Control Sample Dup	97	108
MB 880-44329/5-A	Method Blank	92	94
MB 880-44700/5-A	Method Blank	103	111
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)
880-23715-1	SW-4 0-3.5'	121	113
880-23715-2	SW-8 0-5'	110	105
LCS 880-43987/2-A	Lab Control Sample	171 S1+	161 S1+
LCSD 880-43987/3-A	Lab Control Sample Dup	119	98
MB 880-43987/1-A	Method Blank	103	103
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44329/5-A

Matrix: Solid

Analysis Batch: 44417

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44329

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 12:54	01/20/23 11:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 12:54	01/20/23 11:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 12:54	01/20/23 11:37	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/19/23 12:54	01/20/23 11:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 12:54	01/20/23 11:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/19/23 12:54	01/20/23 11:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	01/19/23 12:54	01/20/23 11:37	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/19/23 12:54	01/20/23 11:37	1

Lab Sample ID: LCS 880-44329/1-A

Matrix: Solid

Analysis Batch: 44417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1012		mg/Kg		101	70 - 130
Toluene	0.100	0.09476		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1058		mg/Kg		106	70 - 130
m,p-Xylenes	0.200	0.1889		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09657		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-44329/2-A

Matrix: Solid

Analysis Batch: 44417

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44329

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1014		mg/Kg		101	70 - 130	0	35
Toluene	0.100	0.09379		mg/Kg		94	70 - 130	1	35
Ethylbenzene	0.100	0.1017		mg/Kg		102	70 - 130	4	35
m,p-Xylenes	0.200	0.1823		mg/Kg		91	70 - 130	4	35
o-Xylene	0.100	0.09316		mg/Kg		93	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-44700/5-A

Matrix: Solid

Analysis Batch: 44693

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44700

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/25/23 09:03	01/25/23 12:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/25/23 09:03	01/25/23 12:59	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-44700/5-A

Matrix: Solid

Analysis Batch: 44693

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44700

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/25/23 09:03	01/25/23 12:59	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/25/23 09:03	01/25/23 12:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/25/23 09:03	01/25/23 12:59	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/25/23 09:03	01/25/23 12:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/25/23 09:03	01/25/23 12:59	1
1,4-Difluorobenzene (Surr)	111		70 - 130	01/25/23 09:03	01/25/23 12:59	1

Lab Sample ID: LCS 880-44700/1-A

Matrix: Solid

Analysis Batch: 44693

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09940		mg/Kg		99	70 - 130
Toluene	0.100	0.09449		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09243		mg/Kg		92	70 - 130
m,p-Xylenes	0.200	0.1888		mg/Kg		94	70 - 130
o-Xylene	0.100	0.08937		mg/Kg		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-44700/2-A

Matrix: Solid

Analysis Batch: 44693

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44700

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1032		mg/Kg		103	70 - 130	4	35
Toluene	0.100	0.09936		mg/Kg		99	70 - 130	5	35
Ethylbenzene	0.100	0.09755		mg/Kg		98	70 - 130	5	35
m,p-Xylenes	0.200	0.2000		mg/Kg		100	70 - 130	6	35
o-Xylene	0.100	0.09499		mg/Kg		95	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-43987/1-A

Matrix: Solid

Analysis Batch: 44121

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43987

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		01/16/23 14:04	01/17/23 11:49	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-43987/1-A

Matrix: Solid

Analysis Batch: 44121

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43987

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/16/23 14:04	01/17/23 11:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/16/23 14:04	01/17/23 11:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/16/23 14:04	01/17/23 11:49	1
o-Terphenyl (Surr)	103		70 - 130			01/16/23 14:04	01/17/23 11:49	1

Lab Sample ID: LCS 880-43987/2-A

Matrix: Solid

Analysis Batch: 44121

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	876.4		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	923.3		mg/Kg		92	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	171	S1+	70 - 130				
o-Terphenyl (Surr)	161	S1+	70 - 130				

Lab Sample ID: LCSD 880-43987/3-A

Matrix: Solid

Analysis Batch: 44121

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43987

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	990.8		mg/Kg		99	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	842.9		mg/Kg		84	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	119		70 - 130						
o-Terphenyl (Surr)	98		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44238/1-A

Matrix: Solid

Analysis Batch: 44368

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			01/19/23 13:56	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-44238/2-A

Matrix: Solid

Analysis Batch: 44368

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	247.6		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-44238/3-A

Matrix: Solid

Analysis Batch: 44368

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	246.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-23715-1 MS

Matrix: Solid

Analysis Batch: 44368

Client Sample ID: SW-4 0-3.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	14.9	F1	251	320.6	F1	mg/Kg		122	90 - 110		

Lab Sample ID: 880-23715-1 MSD

Matrix: Solid

Analysis Batch: 44368

Client Sample ID: SW-4 0-3.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14.9	F1	251	321.1	F1	mg/Kg		122	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

GC VOA

Prep Batch: 44329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23715-2	SW-8 0-5'	Total/NA	Solid	5035	
MB 880-44329/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44329/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44329/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 44417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23715-2	SW-8 0-5'	Total/NA	Solid	8021B	44329
MB 880-44329/5-A	Method Blank	Total/NA	Solid	8021B	44329
LCS 880-44329/1-A	Lab Control Sample	Total/NA	Solid	8021B	44329
LCSD 880-44329/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44329

Analysis Batch: 44552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23715-1	SW-4 0-3.5'	Total/NA	Solid	Total BTEX	
880-23715-2	SW-8 0-5'	Total/NA	Solid	Total BTEX	

Analysis Batch: 44693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23715-1	SW-4 0-3.5'	Total/NA	Solid	8021B	44700
MB 880-44700/5-A	Method Blank	Total/NA	Solid	8021B	44700
LCS 880-44700/1-A	Lab Control Sample	Total/NA	Solid	8021B	44700
LCSD 880-44700/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44700

Prep Batch: 44700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23715-1	SW-4 0-3.5'	Total/NA	Solid	5035	
MB 880-44700/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44700/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44700/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 43987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23715-1	SW-4 0-3.5'	Total/NA	Solid	8015NM Prep	
880-23715-2	SW-8 0-5'	Total/NA	Solid	8015NM Prep	
MB 880-43987/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43987/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43987/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 44121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23715-1	SW-4 0-3.5'	Total/NA	Solid	8015B NM	43987
880-23715-2	SW-8 0-5'	Total/NA	Solid	8015B NM	43987
MB 880-43987/1-A	Method Blank	Total/NA	Solid	8015B NM	43987
LCS 880-43987/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43987
LCSD 880-43987/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43987

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

GC Semi VOA

Analysis Batch: 44262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23715-1	SW-4 0-3.5'	Total/NA	Solid	8015 NM	
880-23715-2	SW-8 0-5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23715-1	SW-4 0-3.5'	Soluble	Solid	DI Leach	
880-23715-2	SW-8 0-5'	Soluble	Solid	DI Leach	
MB 880-44238/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44238/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44238/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23715-1 MS	SW-4 0-3.5'	Soluble	Solid	DI Leach	
880-23715-1 MSD	SW-4 0-3.5'	Soluble	Solid	DI Leach	

Analysis Batch: 44368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23715-1	SW-4 0-3.5'	Soluble	Solid	300.0	44238
880-23715-2	SW-8 0-5'	Soluble	Solid	300.0	44238
MB 880-44238/1-A	Method Blank	Soluble	Solid	300.0	44238
LCS 880-44238/2-A	Lab Control Sample	Soluble	Solid	300.0	44238
LCSD 880-44238/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44238
880-23715-1 MS	SW-4 0-3.5'	Soluble	Solid	300.0	44238
880-23715-1 MSD	SW-4 0-3.5'	Soluble	Solid	300.0	44238

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

Client Sample ID: SW-4 0-3.5'
Date Collected: 01/12/23 11:00
Date Received: 01/16/23 11:55

Lab Sample ID: 880-23715-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44700	01/25/23 09:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44693	01/25/23 20:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44552	01/26/23 12:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			44262	01/18/23 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43987	01/16/23 14:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44121	01/17/23 20:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44238	01/18/23 11:41	KS	EET MID
Soluble	Analysis	300.0		1			44368	01/19/23 14:13	CH	EET MID

Client Sample ID: SW-8 0-5'
Date Collected: 01/12/23 11:02
Date Received: 01/16/23 11:55

Lab Sample ID: 880-23715-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44329	01/19/23 12:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44417	01/20/23 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44552	01/23/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			44262	01/18/23 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43987	01/16/23 14:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44121	01/17/23 20:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44238	01/18/23 11:41	KS	EET MID
Soluble	Analysis	300.0		10			44368	01/19/23 14:31	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: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

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
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- 7
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- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 880-23715-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23715-1	SW-4 0-3.5'	Solid	01/12/23 11:00	01/16/23 11:55
880-23715-2	SW-8 0-5'	Solid	01/12/23 11:02	01/16/23 11:55

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[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-23715-1

SDG Number: 22-0107-01

Login Number: 23715

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 1/27/2023 11:38:04 AM

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0107-01

JOB NUMBER

880-23717-1

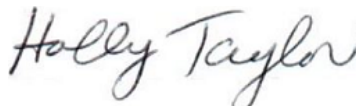
Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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
1/27/2023 11:38:04 AM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Laboratory Job ID: 880-23717-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
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.
□	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)

Eurofins Midland

Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

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Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Job ID: 880-23717-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-23717-1

Receipt

The samples were received on 1/16/2023 11:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C63 (880-23717-1), C64 (880-23717-2), C72 (880-23717-3), SW12 (880-23717-4), C79 (880-23717-5), C80 (880-23717-6), C81 (880-23717-7), C88 (880-23717-8), C92 (880-23717-9), C31 (880-23717-10), C32 (880-23717-11), SW9 (880-23717-12), SW13 (880-23717-13), SW11 (880-23717-14), C61 (880-23717-15), SW15 (880-23717-16), SW-1' (880-23717-17), SW-2' (880-23717-18), SW-3' (880-23717-19), SW-5' (880-23717-20), C98 (880-23717-21), C99 (880-23717-22), C101 (880-23717-23), C102 (880-23717-24), C109 (880-23717-25), C110 (880-23717-26), C119 (880-23717-27), S5 (880-23717-28), S6 (880-23717-29), S7 (880-23717-30), S8 (880-23717-31), S9 (880-23717-32), S10 (880-23717-33), S11 (880-23717-34), S12 (880-23717-35), S13 (880-23717-36), S14 (880-23717-37), S15 (880-23717-38), S16 (880-23717-39), S17 (880-23717-40), S18 (880-23717-41), SW14 (880-23717-42) and C95 (880-23717-43).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-44055 and analytical batch 880-44224 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C98 (880-23717-21), C99 (880-23717-22), C101 (880-23717-23), C102 (880-23717-24) and C109 (880-23717-25). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-44052 and analytical batch 880-44222 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C95 (880-23717-43), (LCS 880-44333/1-A) and (LCS 880-44333/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S18 (880-23717-41). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-44333 and analytical batch 880-44315 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike (MS) was within acceptance limits and may be used to evaluate matrix performance.

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 method blank for preparation batch 880-44256 and analytical batch 880-44309 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C92 (880-23717-9) and SW-3' (880-23717-19). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-44135 and analytical batch 880-44809 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Job ID: 880-23717-1 (Continued)

Laboratory: Eurofins Midland (Continued)

performance.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-44135 and analytical batch 880-44809 was outside control limits. Sample matrix interference and/or non-homogeneity are 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 and precision for preparation batch 880-44239 and 880-44239 and analytical batch 880-44369 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_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44240 and analytical batch 880-44406 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: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C63

Lab Sample ID: 880-23717-1

Date Collected: 01/09/23 09:00

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200	mg/Kg		01/16/23 16:46	01/18/23 12:50	1
Toluene	<0.00200	U F2 F1	0.00200	mg/Kg		01/16/23 16:46	01/18/23 12:50	1
Ethylbenzene	<0.00200	U F2 F1	0.00200	mg/Kg		01/16/23 16:46	01/18/23 12:50	1
m,p-Xylenes	<0.00401	U F2 F1	0.00401	mg/Kg		01/16/23 16:46	01/18/23 12:50	1
o-Xylene	<0.00200	U F2 F1	0.00200	mg/Kg		01/16/23 16:46	01/18/23 12:50	1
Xylenes, Total	<0.00401	U F2 F1	0.00401	mg/Kg		01/16/23 16:46	01/18/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	01/16/23 16:46	01/18/23 12:50	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/16/23 16:46	01/18/23 12:50	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			01/19/23 14:37	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			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/25/23 23:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/25/23 23:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/25/23 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	01/17/23 09:05	01/25/23 23:29	1
o-Terphenyl (Surr)	98		70 - 130	01/17/23 09:05	01/25/23 23:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	501		50.2	mg/Kg			01/19/23 18:59	10

Client Sample ID: C64

Lab Sample ID: 880-23717-2

Date Collected: 01/09/23 09:01

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 13:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 13:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 13:16	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/16/23 16:46	01/18/23 13:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 13:16	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/16/23 16:46	01/18/23 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/16/23 16:46	01/18/23 13:16	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/16/23 16:46	01/18/23 13:16	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C64

Lab Sample ID: 880-23717-2

Date Collected: 01/09/23 09:01

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/19/23 14:37	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			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 00:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/17/23 09:05	01/26/23 00:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/17/23 09:05	01/26/23 00:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130			01/17/23 09:05	01/26/23 00:30	1
o-Terphenyl (Surr)	75		70 - 130			01/17/23 09:05	01/26/23 00:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070		50.1	mg/Kg			01/19/23 19:05	10

Client Sample ID: C72

Lab Sample ID: 880-23717-3

Date Collected: 01/09/23 09:02

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 13:43	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 13:43	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 13:43	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 13:43	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 13:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			01/16/23 16:46	01/18/23 13:43	1
1,4-Difluorobenzene (Surr)	97		70 - 130			01/16/23 16:46	01/18/23 13:43	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			01/19/23 14:37	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			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 00:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 00:50	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C72

Lab Sample ID: 880-23717-3

Date Collected: 01/09/23 09:02

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/17/23 09:05	01/26/23 00:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			01/17/23 09:05	01/26/23 00:50	1
o-Terphenyl (Surr)	76		70 - 130			01/17/23 09:05	01/26/23 00:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		4.98	mg/Kg			01/19/23 19:11	1

Client Sample ID: SW12

Lab Sample ID: 880-23717-4

Date Collected: 01/09/23 09:03

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 14:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 14:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 14:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 14:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 14:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 14:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			01/16/23 16:46	01/18/23 14:09	1
1,4-Difluorobenzene (Surr)	90		70 - 130			01/16/23 16:46	01/18/23 14:09	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			01/19/23 14:37	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			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 01:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/17/23 09:05	01/26/23 01:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/17/23 09:05	01/26/23 01:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			01/17/23 09:05	01/26/23 01:11	1
o-Terphenyl (Surr)	79		70 - 130			01/17/23 09:05	01/26/23 01:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	798	F1	50.1	mg/Kg			01/19/23 19:58	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C79

Lab Sample ID: 880-23717-5

Date Collected: 01/09/23 09:04

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 14:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 14:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 14:36	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/16/23 16:46	01/18/23 14:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 14:36	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/16/23 16:46	01/18/23 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	01/16/23 16:46	01/18/23 14:36	1
1,4-Difluorobenzene (Surr)	82		70 - 130	01/16/23 16:46	01/18/23 14:36	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			01/19/23 14:37	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			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 01:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 01:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130	01/17/23 09:05	01/26/23 01:31	1
o-Terphenyl (Surr)	79		70 - 130	01/17/23 09:05	01/26/23 01:31	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	575		49.9	mg/Kg			01/19/23 20:15	10

Client Sample ID: C80

Lab Sample ID: 880-23717-6

Date Collected: 01/09/23 09:05

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 15:03	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 15:03	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 15:03	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/16/23 16:46	01/18/23 15:03	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 15:03	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/16/23 16:46	01/18/23 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/16/23 16:46	01/18/23 15:03	1
1,4-Difluorobenzene (Surr)	84		70 - 130	01/16/23 16:46	01/18/23 15:03	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C80

Lab Sample ID: 880-23717-6

Date Collected: 01/09/23 09:05

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/19/23 14:37	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			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 01:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 01:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 01:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			01/17/23 09:05	01/26/23 01:51	1
o-Terphenyl (Surr)	85		70 - 130			01/17/23 09:05	01/26/23 01:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	694		50.0	mg/Kg			01/19/23 20:21	10

Client Sample ID: C81

Lab Sample ID: 880-23717-7

Date Collected: 01/09/23 09:06

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 15:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 15:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 15:29	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/16/23 16:46	01/18/23 15:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 15:29	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/16/23 16:46	01/18/23 15:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			01/16/23 16:46	01/18/23 15:29	1
1,4-Difluorobenzene (Surr)	88		70 - 130			01/16/23 16:46	01/18/23 15:29	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			01/19/23 14:37	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			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 02:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 02:11	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C81

Lab Sample ID: 880-23717-7

Date Collected: 01/09/23 09:06

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/17/23 09:05	01/26/23 02:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			01/17/23 09:05	01/26/23 02:11	1
o-Terphenyl (Surr)	79		70 - 130			01/17/23 09:05	01/26/23 02:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	498		49.8	mg/Kg			01/19/23 20:27	10

Client Sample ID: C88

Lab Sample ID: 880-23717-8

Date Collected: 01/09/23 09:07

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 16:21	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 16:21	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 16:21	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 16:21	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 16:21	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 16:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			01/16/23 16:46	01/18/23 16:21	1
1,4-Difluorobenzene (Surr)	86		70 - 130			01/16/23 16:46	01/18/23 16:21	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			01/19/23 14:37	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			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 02:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 02:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 02:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130			01/17/23 09:05	01/26/23 02:31	1
o-Terphenyl (Surr)	77		70 - 130			01/17/23 09:05	01/26/23 02:31	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		4.95	mg/Kg			01/19/23 20:33	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C92

Lab Sample ID: 880-23717-9

Date Collected: 01/09/23 09:08

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 16:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 16:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 16:47	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 16:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 16:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	01/16/23 16:46	01/18/23 16:47	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/16/23 16:46	01/18/23 16:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 02:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 02:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	69	S1-	70 - 130	01/17/23 09:05	01/26/23 02:51	1
o-Terphenyl (Surr)	70		70 - 130	01/17/23 09:05	01/26/23 02:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.0		5.05	mg/Kg			01/19/23 20:50	1

Client Sample ID: C31

Lab Sample ID: 880-23717-10

Date Collected: 01/09/23 09:09

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 17:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 17:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 17:13	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/16/23 16:46	01/18/23 17:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 17:13	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/16/23 16:46	01/18/23 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/16/23 16:46	01/18/23 17:13	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/16/23 16:46	01/18/23 17:13	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C31

Lab Sample ID: 880-23717-10

Date Collected: 01/09/23 09:09

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 03:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 03:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			01/17/23 09:05	01/26/23 03:11	1
o-Terphenyl (Surr)	84		70 - 130			01/17/23 09:05	01/26/23 03:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		5.01	mg/Kg			01/19/23 20:56	1

Client Sample ID: C32

Lab Sample ID: 880-23717-11

Date Collected: 01/09/23 09:10

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 18:58	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 18:58	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 18:58	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/16/23 16:46	01/18/23 18:58	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 18:58	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/16/23 16:46	01/18/23 18:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			01/16/23 16:46	01/18/23 18:58	1
1,4-Difluorobenzene (Surr)	95		70 - 130			01/16/23 16:46	01/18/23 18:58	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			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 03:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 03:52	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C32

Lab Sample ID: 880-23717-11

Date Collected: 01/09/23 09:10

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/17/23 09:05	01/26/23 03:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			01/17/23 09:05	01/26/23 03:52	1
o-Terphenyl (Surr)	85		70 - 130			01/17/23 09:05	01/26/23 03:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	263		4.95	mg/Kg			01/19/23 21:02	1

Client Sample ID: SW9

Lab Sample ID: 880-23717-12

Date Collected: 01/09/23 09:11

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 19:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 19:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 19:25	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/16/23 16:46	01/18/23 19:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 19:25	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/16/23 16:46	01/18/23 19:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			01/16/23 16:46	01/18/23 19:25	1
1,4-Difluorobenzene (Surr)	90		70 - 130			01/16/23 16:46	01/18/23 19:25	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			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 04:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 04:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 04:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			01/17/23 09:05	01/26/23 04:12	1
o-Terphenyl (Surr)	81		70 - 130			01/17/23 09:05	01/26/23 04:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	362		25.3	mg/Kg			01/19/23 21:08	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: SW13

Lab Sample ID: 880-23717-13

Date Collected: 01/09/23 09:12

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 19:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 19:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 19:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 19:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 19:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	01/16/23 16:46	01/18/23 19:52	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/16/23 16:46	01/18/23 19:52	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			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 04:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 04:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	01/17/23 09:05	01/26/23 04:32	1
o-Terphenyl (Surr)	82		70 - 130	01/17/23 09:05	01/26/23 04:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	225		5.04	mg/Kg			01/19/23 21:14	1

Client Sample ID: SW11

Lab Sample ID: 880-23717-14

Date Collected: 01/09/23 15:00

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 20:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 20:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 20:19	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 20:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 20:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/16/23 16:46	01/18/23 20:19	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/16/23 16:46	01/18/23 20:19	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: SW11

Lab Sample ID: 880-23717-14

Date Collected: 01/09/23 15:00

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 04:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 04:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 04:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			01/17/23 09:05	01/26/23 04:53	1
o-Terphenyl (Surr)	81		70 - 130			01/17/23 09:05	01/26/23 04:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220	F1	50.1	mg/Kg			01/19/23 21:19	10

Client Sample ID: C61

Lab Sample ID: 880-23717-15

Date Collected: 01/09/23 14:00

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 20:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 20:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 20:46	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/16/23 16:46	01/18/23 20:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 20:46	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/16/23 16:46	01/18/23 20:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			01/16/23 16:46	01/18/23 20:46	1
1,4-Difluorobenzene (Surr)	94		70 - 130			01/16/23 16:46	01/18/23 20:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 05:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 05:14	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C61

Lab Sample ID: 880-23717-15

Date Collected: 01/09/23 14:00

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/17/23 09:05	01/26/23 05:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			01/17/23 09:05	01/26/23 05:14	1
o-Terphenyl (Surr)	82		70 - 130			01/17/23 09:05	01/26/23 05:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1440		50.5	mg/Kg			01/19/23 21:37	10

Client Sample ID: SW15

Lab Sample ID: 880-23717-16

Date Collected: 01/10/23 13:00

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 21:12	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 21:12	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 21:12	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/16/23 16:46	01/18/23 21:12	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 21:12	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/16/23 16:46	01/18/23 21:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			01/16/23 16:46	01/18/23 21:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130			01/16/23 16:46	01/18/23 21:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 05:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 05:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 05:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130			01/17/23 09:05	01/26/23 05:34	1
o-Terphenyl (Surr)	78		70 - 130			01/17/23 09:05	01/26/23 05:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	269		4.96	mg/Kg			01/19/23 21:43	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: SW-1'

Lab Sample ID: 880-23717-17

Date Collected: 01/10/23 13:01

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 21:39	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/16/23 16:46	01/18/23 21:39	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/16/23 16:46	01/18/23 21:39	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/16/23 16:46	01/18/23 21:39	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/16/23 16:46	01/18/23 21:39	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/16/23 16:46	01/18/23 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	01/16/23 16:46	01/18/23 21:39	1
1,4-Difluorobenzene (Surr)	84		70 - 130	01/16/23 16:46	01/18/23 21:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 05:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 05:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:05	01/26/23 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130	01/17/23 09:05	01/26/23 05:55	1
o-Terphenyl (Surr)	84		70 - 130	01/17/23 09:05	01/26/23 05:55	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.6		5.04	mg/Kg			01/19/23 22:00	1

Client Sample ID: SW-2'

Lab Sample ID: 880-23717-18

Date Collected: 01/10/23 13:02

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 22:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 22:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 22:05	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 22:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:46	01/18/23 22:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:46	01/18/23 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/16/23 16:46	01/18/23 22:05	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/16/23 16:46	01/18/23 22:05	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: SW-2'

Lab Sample ID: 880-23717-18

Date Collected: 01/10/23 13:02

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 06:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 06:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 06:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			01/17/23 09:05	01/26/23 06:15	1
o-Terphenyl (Surr)	82		70 - 130			01/17/23 09:05	01/26/23 06:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		4.98	mg/Kg			01/19/23 22:06	1

Client Sample ID: SW-3'

Lab Sample ID: 880-23717-19

Date Collected: 01/10/23 13:03

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 22:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 22:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 22:32	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/16/23 16:46	01/18/23 22:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 22:32	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/16/23 16:46	01/18/23 22:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			01/16/23 16:46	01/18/23 22:32	1
1,4-Difluorobenzene (Surr)	85		70 - 130			01/16/23 16:46	01/18/23 22:32	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			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 06:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 06:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: SW-3'

Lab Sample ID: 880-23717-19

Date Collected: 01/10/23 13:03

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/17/23 09:05	01/26/23 06:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	67	S1-	70 - 130			01/17/23 09:05	01/26/23 06:36	1
o-Terphenyl (Surr)	69	S1-	70 - 130			01/17/23 09:05	01/26/23 06:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	286		4.95	mg/Kg			01/19/23 22:12	1

Client Sample ID: SW-5'

Lab Sample ID: 880-23717-20

Date Collected: 01/10/23 13:04

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:46	01/18/23 22:59	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 22:59	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 22:59	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/16/23 16:46	01/18/23 22:59	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:46	01/18/23 22:59	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/16/23 16:46	01/18/23 22:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			01/16/23 16:46	01/18/23 22:59	1
1,4-Difluorobenzene (Surr)	93		70 - 130			01/16/23 16:46	01/18/23 22:59	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			01/19/23 17:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/26/23 14:54	1

Method: 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		01/17/23 09:05	01/26/23 06:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 06:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/26/23 06:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			01/17/23 09:05	01/26/23 06:57	1
o-Terphenyl (Surr)	93		70 - 130			01/17/23 09:05	01/26/23 06:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.1		5.00	mg/Kg			01/19/23 22:18	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C98

Lab Sample ID: 880-23717-21

Date Collected: 01/10/23 13:05

Matrix: Solid

Date Received: 01/16/23 11:55

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F2 F1	0.00202	mg/Kg		01/16/23 16:48	01/18/23 12:04	1
Toluene	<0.00202	U F2 F1	0.00202	mg/Kg		01/16/23 16:48	01/18/23 12:04	1
Ethylbenzene	<0.00202	U F2 F1	0.00202	mg/Kg		01/16/23 16:48	01/18/23 12:04	1
m,p-Xylenes	<0.00403	U F2 F1	0.00403	mg/Kg		01/16/23 16:48	01/18/23 12:04	1
o-Xylene	<0.00202	U F2 F1	0.00202	mg/Kg		01/16/23 16:48	01/18/23 12:04	1
Xylenes, Total	<0.00403	U F2 F1	0.00403	mg/Kg		01/16/23 16:48	01/18/23 12:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/16/23 16:48	01/18/23 12:04	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	01/16/23 16:48	01/18/23 12:04	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			01/19/23 14:37	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			01/27/23 12:19	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 *1 F2	49.9	mg/Kg		01/17/23 09:09	01/26/23 22:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		01/17/23 09:09	01/26/23 22:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:09	01/26/23 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	01/17/23 09:09	01/26/23 22:39	1
o-Terphenyl (Surr)	102		70 - 130	01/17/23 09:09	01/26/23 22:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334		50.0	mg/Kg			01/19/23 22:24	10

Client Sample ID: C99

Lab Sample ID: 880-23717-22

Date Collected: 01/10/23 13:06

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 12:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 12:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 12:24	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/16/23 16:48	01/18/23 12:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 12:24	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/16/23 16:48	01/18/23 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/16/23 16:48	01/18/23 12:24	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130	01/16/23 16:48	01/18/23 12:24	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C99

Lab Sample ID: 880-23717-22

Date Collected: 01/10/23 13:06

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/19/23 14:37	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			01/27/23 12:19	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	<49.8	U *1	49.8	mg/Kg		01/17/23 09:09	01/26/23 23:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	mg/Kg		01/17/23 09:09	01/26/23 23:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/17/23 09:09	01/26/23 23:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			01/17/23 09:09	01/26/23 23:42	1
o-Terphenyl (Surr)	92		70 - 130			01/17/23 09:09	01/26/23 23:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	623		50.3	mg/Kg			01/19/23 22:30	10

Client Sample ID: C101

Lab Sample ID: 880-23717-23

Date Collected: 01/10/23 13:07

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 12:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 12:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 12:45	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 12:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 12:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 12:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			01/16/23 16:48	01/18/23 12:45	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130			01/16/23 16:48	01/18/23 12:45	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			01/19/23 14:37	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			01/27/23 12:19	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 *1	49.9	mg/Kg		01/17/23 09:09	01/27/23 00:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	mg/Kg		01/17/23 09:09	01/27/23 00:04	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C101

Lab Sample ID: 880-23717-23

Date Collected: 01/10/23 13:07

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/17/23 09:09	01/27/23 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			01/17/23 09:09	01/27/23 00:04	1
o-Terphenyl (Surr)	98		70 - 130			01/17/23 09:09	01/27/23 00:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	507		25.0	mg/Kg			01/19/23 22:35	5

Client Sample ID: C102

Lab Sample ID: 880-23717-24

Date Collected: 01/10/23 13:08

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 13:06	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 13:06	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 13:06	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 13:06	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 13:06	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 13:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	49	S1-	70 - 130			01/16/23 16:48	01/18/23 13:06	1
1,4-Difluorobenzene (Surr)	79		70 - 130			01/16/23 16:48	01/18/23 13:06	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			01/19/23 14:37	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			01/27/23 12:19	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	<49.8	U *1	49.8	mg/Kg		01/17/23 09:09	01/27/23 00:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	mg/Kg		01/17/23 09:09	01/27/23 00:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/17/23 09:09	01/27/23 00:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			01/17/23 09:09	01/27/23 00:25	1
o-Terphenyl (Surr)	89		70 - 130			01/17/23 09:09	01/27/23 00:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	624	F1	5.03	mg/Kg			01/20/23 03:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C109

Lab Sample ID: 880-23717-25

Date Collected: 01/10/23 13:09

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 13:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 13:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 13:27	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 13:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 13:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	43	S1-	70 - 130	01/16/23 16:48	01/18/23 13:27	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/16/23 16:48	01/18/23 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			01/19/23 14:37	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			01/27/23 12:19	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 *1	49.9	mg/Kg		01/17/23 09:09	01/27/23 00:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		01/17/23 09:09	01/27/23 00:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:09	01/27/23 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	01/17/23 09:09	01/27/23 00:46	1
o-Terphenyl (Surr)	93		70 - 130	01/17/23 09:09	01/27/23 00:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	476		5.00	mg/Kg			01/20/23 12:34	1

Client Sample ID: C110

Lab Sample ID: 880-23717-26

Date Collected: 01/10/23 13:10

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 13:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 13:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 13:47	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 13:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 13:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	01/16/23 16:48	01/18/23 13:47	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/16/23 16:48	01/18/23 13:47	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C110

Lab Sample ID: 880-23717-26

Date Collected: 01/10/23 13:10

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/19/23 14:37	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			01/27/23 12:19	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 *1	50.0	mg/Kg		01/17/23 09:09	01/27/23 01:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/17/23 09:09	01/27/23 01:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:09	01/27/23 01:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			01/17/23 09:09	01/27/23 01:07	1
o-Terphenyl (Surr)	89		70 - 130			01/17/23 09:09	01/27/23 01:07	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	646		24.9	mg/Kg			01/20/23 03:53	5

Client Sample ID: C119

Lab Sample ID: 880-23717-27

Date Collected: 01/10/23 13:11

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 14:08	1
Toluene	0.00225		0.00200	mg/Kg		01/16/23 16:48	01/18/23 14:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 14:08	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/16/23 16:48	01/18/23 14:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 14:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/16/23 16:48	01/18/23 14:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	47	S1-	70 - 130			01/16/23 16:48	01/18/23 14:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130			01/16/23 16:48	01/18/23 14:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/19/23 14:37	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			01/27/23 12:19	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 *1	50.0	mg/Kg		01/17/23 09:09	01/27/23 01:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/17/23 09:09	01/27/23 01:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C119

Lab Sample ID: 880-23717-27

Date Collected: 01/10/23 13:11

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/17/23 09:09	01/27/23 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			01/17/23 09:09	01/27/23 01:29	1
o-Terphenyl (Surr)	85		70 - 130			01/17/23 09:09	01/27/23 01:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	379		25.3	mg/Kg			01/20/23 04:00	5

Client Sample ID: S5

Lab Sample ID: 880-23717-28

Date Collected: 01/11/23 09:45

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 14:29	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:48	01/18/23 14:29	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:48	01/18/23 14:29	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/16/23 16:48	01/18/23 14:29	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:48	01/18/23 14:29	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/16/23 16:48	01/18/23 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			01/16/23 16:48	01/18/23 14:29	1
1,4-Difluorobenzene (Surr)	86		70 - 130			01/16/23 16:48	01/18/23 14:29	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			01/19/23 14:37	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			01/27/23 12:19	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 *1	49.9	mg/Kg		01/17/23 09:09	01/27/23 01:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	mg/Kg		01/17/23 09:09	01/27/23 01:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:09	01/27/23 01:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			01/17/23 09:09	01/27/23 01:51	1
o-Terphenyl (Surr)	80		70 - 130			01/17/23 09:09	01/27/23 01:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	368		4.99	mg/Kg			01/20/23 12:40	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S6

Lab Sample ID: 880-23717-29

Date Collected: 01/11/23 09:46

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 14:50	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/16/23 16:48	01/18/23 14:50	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/16/23 16:48	01/18/23 14:50	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/16/23 16:48	01/18/23 14:50	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/16/23 16:48	01/18/23 14:50	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/16/23 16:48	01/18/23 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	01/16/23 16:48	01/18/23 14:50	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/16/23 16:48	01/18/23 14:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/19/23 14:37	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			01/27/23 12:19	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 *1	50.0	mg/Kg		01/17/23 09:09	01/27/23 02:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		01/17/23 09:09	01/27/23 02:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:09	01/27/23 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	01/17/23 09:09	01/27/23 02:12	1
o-Terphenyl (Surr)	94		70 - 130	01/17/23 09:09	01/27/23 02:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		5.01	mg/Kg			01/20/23 04:24	1

Client Sample ID: S7

Lab Sample ID: 880-23717-30

Date Collected: 01/11/23 09:47

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 15:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 15:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 15:11	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 15:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 15:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	01/16/23 16:48	01/18/23 15:11	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	01/16/23 16:48	01/18/23 15:11	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S7

Lab Sample ID: 880-23717-30

Date Collected: 01/11/23 09:47

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/19/23 14:37	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			01/27/23 12:19	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 *1	50.0	mg/Kg		01/17/23 09:09	01/27/23 02:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/17/23 09:09	01/27/23 02:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:09	01/27/23 02:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130			01/17/23 09:09	01/27/23 02:33	1
o-Terphenyl (Surr)	81		70 - 130			01/17/23 09:09	01/27/23 02:33	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.6		5.00	mg/Kg			01/20/23 04:43	1

Client Sample ID: S8

Lab Sample ID: 880-23717-31

Date Collected: 01/11/23 09:48

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 17:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 17:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 17:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 17:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 17:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 17:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	42	S1-	70 - 130			01/16/23 16:48	01/18/23 17:25	1
1,4-Difluorobenzene (Surr)	88		70 - 130			01/16/23 16:48	01/18/23 17:25	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			01/19/23 14:37	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			01/27/23 12:19	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 *1	49.9	mg/Kg		01/17/23 09:09	01/27/23 03:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	mg/Kg		01/17/23 09:09	01/27/23 03:16	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S8

Lab Sample ID: 880-23717-31

Date Collected: 01/11/23 09:48

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/17/23 09:09	01/27/23 03:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			01/17/23 09:09	01/27/23 03:16	1
o-Terphenyl (Surr)	91		70 - 130			01/17/23 09:09	01/27/23 03:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.9		5.02	mg/Kg			01/20/23 04:30	1

Client Sample ID: S9

Lab Sample ID: 880-23717-32

Date Collected: 01/11/23 09:49

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 17:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 17:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 17:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 17:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 17:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			01/16/23 16:48	01/18/23 17:46	1
1,4-Difluorobenzene (Surr)	109		70 - 130			01/16/23 16:48	01/18/23 17:46	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			01/19/23 14:37	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			01/27/23 12:19	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 *1	50.0	mg/Kg		01/17/23 09:09	01/27/23 03:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/17/23 09:09	01/27/23 03:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:09	01/27/23 03:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			01/17/23 09:09	01/27/23 03:38	1
o-Terphenyl (Surr)	83		70 - 130			01/17/23 09:09	01/27/23 03:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.9		5.01	mg/Kg			01/20/23 04:37	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S10

Lab Sample ID: 880-23717-33

Date Collected: 01/11/23 09:50

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 18:06	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 18:06	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 18:06	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 18:06	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 18:06	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	01/16/23 16:48	01/18/23 18:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130	01/16/23 16:48	01/18/23 18:06	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			01/19/23 14:37	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			01/27/23 12:19	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 *1	49.9	mg/Kg		01/17/23 09:09	01/27/23 04:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		01/17/23 09:09	01/27/23 04:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:09	01/27/23 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	01/17/23 09:09	01/27/23 04:00	1
o-Terphenyl (Surr)	90		70 - 130	01/17/23 09:09	01/27/23 04:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		5.00	mg/Kg			01/20/23 04:49	1

Client Sample ID: S11

Lab Sample ID: 880-23717-34

Date Collected: 01/11/23 09:51

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 18:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 18:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 18:27	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/16/23 16:48	01/18/23 18:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 18:27	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/16/23 16:48	01/18/23 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	01/16/23 16:48	01/18/23 18:27	1
1,4-Difluorobenzene (Surr)	74		70 - 130	01/16/23 16:48	01/18/23 18:27	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S11

Lab Sample ID: 880-23717-34

Date Collected: 01/11/23 09:51

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/19/23 14:37	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			01/27/23 12:19	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 *1	50.0	mg/Kg		01/17/23 09:09	01/27/23 04:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/17/23 09:09	01/27/23 04:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:09	01/27/23 04:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130			01/17/23 09:09	01/27/23 04:20	1
o-Terphenyl (Surr)	87		70 - 130			01/17/23 09:09	01/27/23 04:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	211	F1	5.00	mg/Kg			01/20/23 12:46	1

Client Sample ID: S12

Lab Sample ID: 880-23717-35

Date Collected: 01/11/23 09:52

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 18:48	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:48	01/18/23 18:48	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:48	01/18/23 18:48	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/16/23 16:48	01/18/23 18:48	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:48	01/18/23 18:48	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/16/23 16:48	01/18/23 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			01/16/23 16:48	01/18/23 18:48	1
1,4-Difluorobenzene (Surr)	86		70 - 130			01/16/23 16:48	01/18/23 18:48	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			01/19/23 14:37	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			01/27/23 12:19	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 *1	50.0	mg/Kg		01/17/23 09:09	01/27/23 04:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/17/23 09:09	01/27/23 04:42	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S12

Lab Sample ID: 880-23717-35

Date Collected: 01/11/23 09:52

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/17/23 09:09	01/27/23 04:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/17/23 09:09	01/27/23 04:42	1
o-Terphenyl (Surr)	98		70 - 130			01/17/23 09:09	01/27/23 04:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	452		5.02	mg/Kg			01/20/23 13:05	1

Client Sample ID: S13

Lab Sample ID: 880-23717-36

Date Collected: 01/11/23 09:53

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 19:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 19:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 19:09	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		01/16/23 16:48	01/18/23 19:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 19:09	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/16/23 16:48	01/18/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			01/16/23 16:48	01/18/23 19:09	1
1,4-Difluorobenzene (Surr)	89		70 - 130			01/16/23 16:48	01/18/23 19:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/19/23 14:37	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			01/27/23 12:19	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 *1	49.9	mg/Kg		01/17/23 09:09	01/27/23 05:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	mg/Kg		01/17/23 09:09	01/27/23 05:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:09	01/27/23 05:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			01/17/23 09:09	01/27/23 05:04	1
o-Terphenyl (Surr)	85		70 - 130			01/17/23 09:09	01/27/23 05:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		5.00	mg/Kg			01/20/23 13:11	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S14

Lab Sample ID: 880-23717-37

Date Collected: 01/11/23 09:54

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 19:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 19:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 19:30	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 19:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 19:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	01/16/23 16:48	01/18/23 19:30	1
1,4-Difluorobenzene (Surr)	81		70 - 130	01/16/23 16:48	01/18/23 19:30	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			01/19/23 14:37	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			01/27/23 12:19	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 *1	49.9	mg/Kg		01/17/23 09:09	01/27/23 05:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		01/17/23 09:09	01/27/23 05:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/17/23 09:09	01/27/23 05:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	01/17/23 09:09	01/27/23 05:25	1
o-Terphenyl (Surr)	92		70 - 130	01/17/23 09:09	01/27/23 05:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		4.98	mg/Kg			01/20/23 05:38	1

Client Sample ID: S15

Lab Sample ID: 880-23717-38

Date Collected: 01/11/23 09:55

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 19:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 19:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 19:50	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 19:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/23 16:48	01/18/23 19:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/23 16:48	01/18/23 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	01/16/23 16:48	01/18/23 19:50	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/16/23 16:48	01/18/23 19:50	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S15

Lab Sample ID: 880-23717-38

Date Collected: 01/11/23 09:55

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/19/23 14:37	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			01/27/23 12:19	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 *1	50.0	mg/Kg		01/17/23 09:09	01/27/23 05:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/17/23 09:09	01/27/23 05:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:09	01/27/23 05:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			01/17/23 09:09	01/27/23 05:46	1
o-Terphenyl (Surr)	102		70 - 130			01/17/23 09:09	01/27/23 05:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	744		24.8	mg/Kg			01/20/23 05:44	5

Client Sample ID: S16

Lab Sample ID: 880-23717-39

Date Collected: 01/11/23 09:56

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 20:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 20:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 20:11	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/16/23 16:48	01/18/23 20:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 20:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/16/23 16:48	01/18/23 20:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			01/16/23 16:48	01/18/23 20:11	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130			01/16/23 16:48	01/18/23 20:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/19/23 14:37	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			01/27/23 12:19	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 *1	50.0	mg/Kg		01/17/23 09:09	01/27/23 06:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/17/23 09:09	01/27/23 06:07	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S16

Lab Sample ID: 880-23717-39

Date Collected: 01/11/23 09:56

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/17/23 09:09	01/27/23 06:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			01/17/23 09:09	01/27/23 06:07	1
o-Terphenyl (Surr)	95		70 - 130			01/17/23 09:09	01/27/23 06:07	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	272		5.00	mg/Kg			01/20/23 05:50	1

Client Sample ID: S17

Lab Sample ID: 880-23717-40

Date Collected: 01/11/23 09:57

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/16/23 16:48	01/18/23 20:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:48	01/18/23 20:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:48	01/18/23 20:32	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/16/23 16:48	01/18/23 20:32	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/16/23 16:48	01/18/23 20:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/16/23 16:48	01/18/23 20:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			01/16/23 16:48	01/18/23 20:32	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130			01/16/23 16:48	01/18/23 20:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/19/23 14:37	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			01/27/23 12:19	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 *1	50.0	mg/Kg		01/17/23 09:09	01/27/23 06:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/17/23 09:09	01/27/23 06:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:09	01/27/23 06:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			01/17/23 09:09	01/27/23 06:29	1
o-Terphenyl (Surr)	100		70 - 130			01/17/23 09:09	01/27/23 06:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	279		4.99	mg/Kg			01/20/23 13:17	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S18

Lab Sample ID: 880-23717-41

Date Collected: 01/11/23 09:58

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/19/23 12:58	01/20/23 04:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 12:58	01/20/23 04:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 12:58	01/20/23 04:22	1
m,p-Xylenes	<0.00398	U **	0.00398	mg/Kg		01/19/23 12:58	01/20/23 04:22	1
o-Xylene	<0.00199	U **	0.00199	mg/Kg		01/19/23 12:58	01/20/23 04:22	1
Xylenes, Total	<0.00398	U **	0.00398	mg/Kg		01/19/23 12:58	01/20/23 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/19/23 12:58	01/20/23 04:22	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130	01/19/23 12:58	01/20/23 04:22	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			01/20/23 14:02	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			01/20/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 13:58	01/19/23 17:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 13:58	01/19/23 17:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 13:58	01/19/23 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	01/18/23 13:58	01/19/23 17:14	1
o-Terphenyl (Surr)	86		70 - 130	01/18/23 13:58	01/19/23 17:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	686		50.1	mg/Kg			01/20/23 06:03	10

Client Sample ID: SW14

Lab Sample ID: 880-23717-42

Date Collected: 01/11/23 09:59

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/19/23 12:58	01/20/23 04:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 12:58	01/20/23 04:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 12:58	01/20/23 04:43	1
m,p-Xylenes	<0.00399	U **	0.00399	mg/Kg		01/19/23 12:58	01/20/23 04:43	1
o-Xylene	<0.00200	U **	0.00200	mg/Kg		01/19/23 12:58	01/20/23 04:43	1
Xylenes, Total	<0.00399	U **	0.00399	mg/Kg		01/19/23 12:58	01/20/23 04:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/19/23 12:58	01/20/23 04:43	1
1,4-Difluorobenzene (Surr)	81		70 - 130	01/19/23 12:58	01/20/23 04:43	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: SW14

Lab Sample ID: 880-23717-42

Date Collected: 01/11/23 09:59

Matrix: Solid

Date Received: 01/16/23 11:55

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			01/20/23 14:02	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			01/20/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/18/23 13:58	01/19/23 17:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/18/23 13:58	01/19/23 17:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/18/23 13:58	01/19/23 17:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			01/18/23 13:58	01/19/23 17:36	1
o-Terphenyl (Surr)	90		70 - 130			01/18/23 13:58	01/19/23 17:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	649		24.9	mg/Kg			01/20/23 06:09	5

Client Sample ID: C95

Lab Sample ID: 880-23717-43

Date Collected: 01/11/23 12:30

Matrix: Solid

Date Received: 01/16/23 11:55

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		01/19/23 12:58	01/20/23 05:03	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/19/23 12:58	01/20/23 05:03	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/19/23 12:58	01/20/23 05:03	1
m,p-Xylenes	<0.00398	U **	0.00398	mg/Kg		01/19/23 12:58	01/20/23 05:03	1
o-Xylene	<0.00199	U **	0.00199	mg/Kg		01/19/23 12:58	01/20/23 05:03	1
Xylenes, Total	<0.00398	U **	0.00398	mg/Kg		01/19/23 12:58	01/20/23 05:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			01/19/23 12:58	01/20/23 05:03	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130			01/19/23 12:58	01/20/23 05:03	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			01/20/23 14:02	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/20/23 12:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/18/23 13:58	01/19/23 17:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 13:58	01/19/23 17:58	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C95
Date Collected: 01/11/23 12:30
Date Received: 01/16/23 11:55

Lab Sample ID: 880-23717-43
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 13:58	01/19/23 17:58	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	96		70 - 130			01/18/23 13:58	01/19/23 17:58	1	
o-Terphenyl (Surr)	94		70 - 130			01/18/23 13:58	01/19/23 17:58	1	

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	134		4.98	mg/Kg			01/20/23 06:15	1	

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

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)
880-23717-1	C63	93	88
880-23717-1 MS	C63	112	95
880-23717-1 MSD	C63	91	85
880-23717-2	C64	105	87
880-23717-3	C72	102	97
880-23717-4	SW12	103	90
880-23717-5	C79	93	82
880-23717-6	C80	96	84
880-23717-7	C81	96	88
880-23717-8	C88	111	86
880-23717-9	C92	114	96
880-23717-10	C31	100	95
880-23717-11	C32	123	95
880-23717-12	SW9	110	90
880-23717-13	SW13	102	87
880-23717-14	SW11	98	88
880-23717-15	C61	113	94
880-23717-16	SW15	117	90
880-23717-17	SW-1'	89	84
880-23717-18	SW-2'	100	92
880-23717-19	SW-3'	105	85
880-23717-20	SW-5'	97	93
880-23717-21	C98	112	68 S1-
880-23717-21 MS	C98	104	74
880-23717-21 MSD	C98	102	107
880-23717-22	C99	98	62 S1-
880-23717-23	C101	110	69 S1-
880-23717-24	C102	49 S1-	79
880-23717-25	C109	43 S1-	88
880-23717-26	C110	122	93
880-23717-27	C119	47 S1-	101
880-23717-28	S5	119	86
880-23717-29	S6	118	94
880-23717-30	S7	92	67 S1-
880-23717-31	S8	42 S1-	88
880-23717-32	S9	112	109
880-23717-33	S10	123	102
880-23717-34	S11	117	74
880-23717-35	S12	127	86
880-23717-36	S13	122	89
880-23717-37	S14	124	81
880-23717-38	S15	120	92
880-23717-39	S16	102	64 S1-
880-23717-40	S17	85	63 S1-
880-23717-41	S18	96	64 S1-
880-23717-42	SW14	103	81
880-23717-43	C95	91	62 S1-
LCS 880-44052/1-A	Lab Control Sample	96	96
LCS 880-44055/1-A	Lab Control Sample	92	106

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23717-1

Project/Site: Hayhurst Pond 2

SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-44333/1-A	Lab Control Sample	137 S1+	93
LCSD 880-44052/2-A	Lab Control Sample Dup	106	98
LCSD 880-44055/2-A	Lab Control Sample Dup	90	103
LCSD 880-44333/2-A	Lab Control Sample Dup	165 S1+	110
MB 880-44052/5-A	Method Blank	74	89
MB 880-44055/5-A	Method Blank	96	96
MB 880-44233/5-A	Method Blank	86	89
MB 880-44333/5-A	Method Blank	87	86
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)
880-23717-1	C63	93	98
880-23717-1 MS	C63	94	83
880-23717-1 MSD	C63	84	75
880-23717-2	C64	73	75
880-23717-3	C72	80	76
880-23717-4	SW12	80	79
880-23717-5	C79	81	79
880-23717-6	C80	83	85
880-23717-7	C81	78	79
880-23717-8	C88	77	77
880-23717-9	C92	69 S1-	70
880-23717-10	C31	81	84
880-23717-11	C32	82	85
880-23717-12	SW9	81	81
880-23717-13	SW13	82	82
880-23717-14	SW11	81	81
880-23717-15	C61	81	82
880-23717-16	SW15	74	78
880-23717-17	SW-1'	81	84
880-23717-18	SW-2'	80	82
880-23717-19	SW-3'	67 S1-	69 S1-
880-23717-20	SW-5'	92	93
880-23717-21	C98	115	102
880-23717-21 MS	C98	113	96
880-23717-21 MSD	C98	113	96
880-23717-22	C99	102	92
880-23717-23	C101	107	98
880-23717-24	C102	95	89
880-23717-25	C109	101	93
880-23717-26	C110	96	89
880-23717-27	C119	91	85
880-23717-28	S5	82	80

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-23717-1

Project/Site: Hayhurst Pond 2

SDG: 22-0107-01

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)
880-23717-29	S6	104	94
880-23717-30	S7	84	81
880-23717-31	S8	99	91
880-23717-32	S9	82	83
880-23717-33	S10	87	90
880-23717-34	S11	84	87
880-23717-35	S12	103	98
880-23717-36	S13	83	85
880-23717-37	S14	99	92
880-23717-38	S15	104	102
880-23717-39	S16	91	95
880-23717-40	S17	103	100
880-23717-41	S18	89	86
880-23717-42	SW14	91	90
880-23717-43	C95	96	94
LCS 880-44134/2-A	Lab Control Sample	94	95
LCS 880-44135/2-A	Lab Control Sample	148 S1+	155 S1+
LCS 880-44256/2-A	Lab Control Sample	121	120
LCSD 880-44134/3-A	Lab Control Sample Dup	89	93
LCSD 880-44135/3-A	Lab Control Sample Dup	129	126
LCSD 880-44256/3-A	Lab Control Sample Dup	126	129
MB 880-44134/1-A	Method Blank	99	104
MB 880-44135/1-A	Method Blank	160 S1+	152 S1+
MB 880-44256/1-A	Method Blank	111	110

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44052/5-A

Matrix: Solid

Analysis Batch: 44222

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44052

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 12:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 12:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 12:23	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/16/23 16:46	01/18/23 12:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:46	01/18/23 12:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/16/23 16:46	01/18/23 12:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	01/16/23 16:46	01/18/23 12:23	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/16/23 16:46	01/18/23 12:23	1

Lab Sample ID: LCS 880-44052/1-A

Matrix: Solid

Analysis Batch: 44222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08801		mg/Kg		88	70 - 130
Toluene	0.100	0.07736		mg/Kg		77	70 - 130
Ethylbenzene	0.100	0.07955		mg/Kg		80	70 - 130
m,p-Xylenes	0.200	0.1729		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08968		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-44052/2-A

Matrix: Solid

Analysis Batch: 44222

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44052

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1066		mg/Kg		107	70 - 130	19	35
Toluene	0.100	0.09138		mg/Kg		91	70 - 130	17	35
Ethylbenzene	0.100	0.08818		mg/Kg		88	70 - 130	10	35
m,p-Xylenes	0.200	0.1899		mg/Kg		95	70 - 130	9	35
o-Xylene	0.100	0.09756		mg/Kg		98	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-23717-1 MS

Matrix: Solid

Analysis Batch: 44222

Client Sample ID: C63

Prep Type: Total/NA

Prep Batch: 44052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.0996	0.09452		mg/Kg		95	70 - 130
Toluene	<0.00200	U F2 F1	0.0996	0.08035		mg/Kg		81	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-23717-1 MS

Matrix: Solid

Analysis Batch: 44222

Client Sample ID: C63

Prep Type: Total/NA

Prep Batch: 44052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.07725		mg/Kg		78	70 - 130
m,p-Xylenes	<0.00401	U F2 F1	0.199	0.1632		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U F2 F1	0.0996	0.08313		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-23717-1 MSD

Matrix: Solid

Analysis Batch: 44222

Client Sample ID: C63

Prep Type: Total/NA

Prep Batch: 44052

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0998	0.01651	F2 F1	mg/Kg		17	70 - 130	141	35
Toluene	<0.00200	U F2 F1	0.0998	0.01708	F2 F1	mg/Kg		17	70 - 130	130	35
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.01864	F2 F1	mg/Kg		19	70 - 130	122	35
m,p-Xylenes	<0.00401	U F2 F1	0.200	0.03950	F2 F1	mg/Kg		20	70 - 130	122	35
o-Xylene	<0.00200	U F2 F1	0.0998	0.02418	F2 F1	mg/Kg		24	70 - 130	110	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: MB 880-44055/5-A

Matrix: Solid

Analysis Batch: 44224

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44055

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 11:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 11:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 11:42	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/16/23 16:48	01/18/23 11:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 16:48	01/18/23 11:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/16/23 16:48	01/18/23 11:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/16/23 16:48	01/18/23 11:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/16/23 16:48	01/18/23 11:42	1

Lab Sample ID: LCS 880-44055/1-A

Matrix: Solid

Analysis Batch: 44224

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1164		mg/Kg		116	70 - 130
Toluene	0.100	0.1070		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1139		mg/Kg		114	70 - 130
m,p-Xylenes	0.200	0.2034		mg/Kg		102	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-44055/1-A

Matrix: Solid

Analysis Batch: 44224

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1032		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-44055/2-A

Matrix: Solid

Analysis Batch: 44224

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44055

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1080		mg/Kg		108	70 - 130	8	35
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	6	35
Ethylbenzene	0.100	0.1065		mg/Kg		106	70 - 130	7	35
m,p-Xylenes	0.200	0.1916		mg/Kg		96	70 - 130	6	35
o-Xylene	0.100	0.09745		mg/Kg		97	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-23717-21 MS

Matrix: Solid

Analysis Batch: 44224

Client Sample ID: C98

Prep Type: Total/NA

Prep Batch: 44055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F2 F1	0.101	0.01316	F1	mg/Kg		13	70 - 130
Toluene	<0.00202	U F2 F1	0.101	0.01961	F1	mg/Kg		19	70 - 130
Ethylbenzene	<0.00202	U F2 F1	0.101	0.02908	F1	mg/Kg		29	70 - 130
m,p-Xylenes	<0.00403	U F2 F1	0.202	0.04762	F1	mg/Kg		24	70 - 130
o-Xylene	<0.00202	U F2 F1	0.101	0.02713	F1	mg/Kg		27	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

Lab Sample ID: 880-23717-21 MSD

Matrix: Solid

Analysis Batch: 44224

Client Sample ID: C98

Prep Type: Total/NA

Prep Batch: 44055

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F2 F1	0.0990	0.04584	F2 F1	mg/Kg		46	70 - 130	111	35
Toluene	<0.00202	U F2 F1	0.0990	0.04699	F2 F1	mg/Kg		47	70 - 130	82	35
Ethylbenzene	<0.00202	U F2 F1	0.0990	0.05250	F2 F1	mg/Kg		53	70 - 130	57	35
m,p-Xylenes	<0.00403	U F2 F1	0.198	0.09806	F2 F1	mg/Kg		50	70 - 130	69	35
o-Xylene	<0.00202	U F2 F1	0.0990	0.05356	F2 F1	mg/Kg		54	70 - 130	66	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-23717-21 MSD

Matrix: Solid

Analysis Batch: 44224

Client Sample ID: C98

Prep Type: Total/NA

Prep Batch: 44055

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-44233/5-A

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44233

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		01/18/23 10:19	01/19/23 11:18	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/18/23 10:19	01/19/23 11:18	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/18/23 10:19	01/19/23 11:18	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/18/23 10:19	01/19/23 11:18	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/18/23 10:19	01/19/23 11:18	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/18/23 10:19	01/19/23 11:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	86		70 - 130			01/18/23 10:19	01/19/23 11:18	1	
1,4-Difluorobenzene (Surr)	89		70 - 130			01/18/23 10:19	01/19/23 11:18	1	

Lab Sample ID: MB 880-44333/5-A

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44333

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		01/19/23 12:58	01/19/23 21:53	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/19/23 12:58	01/19/23 21:53	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/19/23 12:58	01/19/23 21:53	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/19/23 12:58	01/19/23 21:53	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/19/23 12:58	01/19/23 21:53	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/19/23 12:58	01/19/23 21:53	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		70 - 130			01/19/23 12:58	01/19/23 21:53	1	
1,4-Difluorobenzene (Surr)	86		70 - 130			01/19/23 12:58	01/19/23 21:53	1	

Lab Sample ID: LCS 880-44333/1-A

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44333

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.06882	*-	mg/Kg		69	70 - 130		
Toluene	0.100	0.09131		mg/Kg		91	70 - 130		
Ethylbenzene	0.100	0.09719		mg/Kg		97	70 - 130		
m,p-Xylenes	0.200	0.2212		mg/Kg		111	70 - 130		
o-Xylene	0.100	0.1242		mg/Kg		124	70 - 130		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-44333/1-A

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44333

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-44333/2-A

Matrix: Solid

Analysis Batch: 44315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44333

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08647		mg/Kg		86	70 - 130	23	35
Toluene	0.100	0.1174		mg/Kg		117	70 - 130	25	35
Ethylbenzene	0.100	0.1280		mg/Kg		128	70 - 130	27	35
m,p-Xylenes	0.200	0.2911	*+	mg/Kg		146	70 - 130	27	35
o-Xylene	0.100	0.1638	*+	mg/Kg		164	70 - 130	28	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-44134/1-A

Matrix: Solid

Analysis Batch: 44706

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44134

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		01/17/23 09:05	01/25/23 22:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/25/23 22:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:05	01/25/23 22:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	01/17/23 09:05	01/25/23 22:26	1
o-Terphenyl (Surr)	104		70 - 130	01/17/23 09:05	01/25/23 22:26	1

Lab Sample ID: LCS 880-44134/2-A

Matrix: Solid

Analysis Batch: 44706

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44134

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	814.3		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	966.9		mg/Kg		97	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	95		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-44134/3-A

Matrix: Solid

Analysis Batch: 44706

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44134

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	894.0		mg/Kg		89	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	935.4		mg/Kg		94	70 - 130	3	20
	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	89		70 - 130						
o-Terphenyl (Surr)	93		70 - 130						

Lab Sample ID: 880-23717-1 MS

Matrix: Solid

Analysis Batch: 44706

Client Sample ID: C63

Prep Type: Total/NA

Prep Batch: 44134

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	1220		mg/Kg		122	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1175		mg/Kg		116	70 - 130		
	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	94		70 - 130								
o-Terphenyl (Surr)	83		70 - 130								

Lab Sample ID: 880-23717-1 MSD

Matrix: Solid

Analysis Batch: 44706

Client Sample ID: C63

Prep Type: Total/NA

Prep Batch: 44134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1146		mg/Kg		115	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1033		mg/Kg		101	70 - 130	13	20
	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	84		70 - 130								
o-Terphenyl (Surr)	75		70 - 130								

Lab Sample ID: MB 880-44135/1-A

Matrix: Solid

Analysis Batch: 44809

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44135

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		01/17/23 09:09	01/26/23 21:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/17/23 09:09	01/26/23 21:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/17/23 09:09	01/26/23 21:34	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-44135/1-A

Matrix: Solid

Analysis Batch: 44809

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44135

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane (Surr)	160	S1+	70 - 130	01/17/23 09:09	01/26/23 21:34	1				
o-Terphenyl (Surr)	152	S1+	70 - 130	01/17/23 09:09	01/26/23 21:34	1				

Lab Sample ID: LCS 880-44135/2-A

Matrix: Solid

Analysis Batch: 44809

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44135

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1204		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1186		mg/Kg		119	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	148	S1+	70 - 130								
o-Terphenyl (Surr)	155	S1+	70 - 130								

Lab Sample ID: LCSD 880-44135/3-A

Matrix: Solid

Analysis Batch: 44809

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44135

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	975.7	*1	mg/Kg		98	70 - 130	21	20	
Diesel Range Organics (Over C10-C28)			1000	1372	*+	mg/Kg		137	70 - 130	15	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	129		70 - 130									
o-Terphenyl (Surr)	126		70 - 130									

Lab Sample ID: 880-23717-21 MS

Matrix: Solid

Analysis Batch: 44809

Client Sample ID: C98

Prep Type: Total/NA

Prep Batch: 44135

	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 *1 F2	998	738.1		mg/Kg		71	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U *+	998	1124		mg/Kg		113	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	113		70 - 130									
o-Terphenyl (Surr)	96		70 - 130									

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-23717-21 MSD

Matrix: Solid

Analysis Batch: 44809

Client Sample ID: C98

Prep Type: Total/NA

Prep Batch: 44135

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 F2	997	1129	F2	mg/Kg		110	70 - 130	42	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+	997	1122		mg/Kg		113	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	113		70 - 130								
o-Terphenyl (Surr)	96		70 - 130								

Lab Sample ID: MB 880-44256/1-A

Matrix: Solid

Analysis Batch: 44309

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44256

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		01/18/23 13:58	01/19/23 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/18/23 13:58	01/19/23 08:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/18/23 13:58	01/19/23 08:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			01/18/23 13:58	01/19/23 08:23	1
o-Terphenyl (Surr)	110		70 - 130			01/18/23 13:58	01/19/23 08:23	1

Lab Sample ID: LCS 880-44256/2-A

Matrix: Solid

Analysis Batch: 44309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1031		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1001		mg/Kg		100	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	121		70 - 130						
o-Terphenyl (Surr)	120		70 - 130						

Lab Sample ID: LCSD 880-44256/3-A

Matrix: Solid

Analysis Batch: 44309

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44256

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	3	20
Diesel Range Organics (Over C10-C28)	1000	1080		mg/Kg		108	70 - 130	8	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-44256/3-A

Matrix: Solid

Analysis Batch: 44309

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44256

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	129		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44238/1-A

Matrix: Solid

Analysis Batch: 44368

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			01/19/23 13:56	1	

Lab Sample ID: LCS 880-44238/2-A

Matrix: Solid

Analysis Batch: 44368

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	247.6		mg/Kg		99	90 - 110	

Lab Sample ID: LCSD 880-44238/3-A

Matrix: Solid

Analysis Batch: 44368

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	246.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-44239/1-A

Matrix: Solid

Analysis Batch: 44369

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			01/19/23 19:40	1		

Lab Sample ID: LCS 880-44239/2-A

Matrix: Solid

Analysis Batch: 44369

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	255.4		mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-44239/3-A

Matrix: Solid

Analysis Batch: 44369

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	253.0		mg/Kg		101	90 - 110	1	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-23717-4 MS

Matrix: Solid

Analysis Batch: 44369

Client Sample ID: SW12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	798	F1	2510	3671	F1	mg/Kg		115	90 - 110		

Lab Sample ID: 880-23717-4 MSD

Matrix: Solid

Analysis Batch: 44369

Client Sample ID: SW12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	798	F1	2510	3661	F1	mg/Kg		114	90 - 110	0	20

Lab Sample ID: 880-23717-14 MS

Matrix: Solid

Analysis Batch: 44369

Client Sample ID: SW11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1220	F1	2510	3296	F1	mg/Kg		83	90 - 110		

Lab Sample ID: 880-23717-14 MSD

Matrix: Solid

Analysis Batch: 44369

Client Sample ID: SW11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1220	F1	2510	3268	F1	mg/Kg		82	90 - 110	1	20

Lab Sample ID: MB 880-44240/1-A

Matrix: Solid

Analysis Batch: 44406

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			01/20/23 03:10	1

Lab Sample ID: LCS 880-44240/2-A

Matrix: Solid

Analysis Batch: 44406

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	271.8		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-44240/3-A

Matrix: Solid

Analysis Batch: 44406

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	271.9		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-23717-24 MS

Matrix: Solid

Analysis Batch: 44406

Client Sample ID: C102

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	624	F1	252	912.4	F1	mg/Kg		115	90 - 110		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23717-24 MSD										Client Sample ID: C102		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 44406												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	624	F1	252	925.5	F1	mg/Kg		120	90 - 110	1	20	

Lab Sample ID: 880-23717-34 MS										Client Sample ID: S11		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 44406												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	211	F1	250	548.0	F1	mg/Kg		135	90 - 110			

Lab Sample ID: 880-23717-34 MSD										Client Sample ID: S11		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 44406												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	211	F1	250	542.6	F1	mg/Kg		133	90 - 110	1	20	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

GC VOA

Prep Batch: 44052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-1	C63	Total/NA	Solid	5035	
880-23717-2	C64	Total/NA	Solid	5035	
880-23717-3	C72	Total/NA	Solid	5035	
880-23717-4	SW12	Total/NA	Solid	5035	
880-23717-5	C79	Total/NA	Solid	5035	
880-23717-6	C80	Total/NA	Solid	5035	
880-23717-7	C81	Total/NA	Solid	5035	
880-23717-8	C88	Total/NA	Solid	5035	
880-23717-9	C92	Total/NA	Solid	5035	
880-23717-10	C31	Total/NA	Solid	5035	
880-23717-11	C32	Total/NA	Solid	5035	
880-23717-12	SW9	Total/NA	Solid	5035	
880-23717-13	SW13	Total/NA	Solid	5035	
880-23717-14	SW11	Total/NA	Solid	5035	
880-23717-15	C61	Total/NA	Solid	5035	
880-23717-16	SW15	Total/NA	Solid	5035	
880-23717-17	SW-1'	Total/NA	Solid	5035	
880-23717-18	SW-2'	Total/NA	Solid	5035	
880-23717-19	SW-3'	Total/NA	Solid	5035	
880-23717-20	SW-5'	Total/NA	Solid	5035	
MB 880-44052/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44052/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44052/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23717-1 MS	C63	Total/NA	Solid	5035	
880-23717-1 MSD	C63	Total/NA	Solid	5035	

Prep Batch: 44055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-21	C98	Total/NA	Solid	5035	
880-23717-22	C99	Total/NA	Solid	5035	
880-23717-23	C101	Total/NA	Solid	5035	
880-23717-24	C102	Total/NA	Solid	5035	
880-23717-25	C109	Total/NA	Solid	5035	
880-23717-26	C110	Total/NA	Solid	5035	
880-23717-27	C119	Total/NA	Solid	5035	
880-23717-28	S5	Total/NA	Solid	5035	
880-23717-29	S6	Total/NA	Solid	5035	
880-23717-30	S7	Total/NA	Solid	5035	
880-23717-31	S8	Total/NA	Solid	5035	
880-23717-32	S9	Total/NA	Solid	5035	
880-23717-33	S10	Total/NA	Solid	5035	
880-23717-34	S11	Total/NA	Solid	5035	
880-23717-35	S12	Total/NA	Solid	5035	
880-23717-36	S13	Total/NA	Solid	5035	
880-23717-37	S14	Total/NA	Solid	5035	
880-23717-38	S15	Total/NA	Solid	5035	
880-23717-39	S16	Total/NA	Solid	5035	
880-23717-40	S17	Total/NA	Solid	5035	
MB 880-44055/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44055/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44055/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

GC VOA (Continued)

Prep Batch: 44055 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-21 MS	C98	Total/NA	Solid	5035	
880-23717-21 MSD	C98	Total/NA	Solid	5035	

Analysis Batch: 44222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-1	C63	Total/NA	Solid	8021B	44052
880-23717-2	C64	Total/NA	Solid	8021B	44052
880-23717-3	C72	Total/NA	Solid	8021B	44052
880-23717-4	SW12	Total/NA	Solid	8021B	44052
880-23717-5	C79	Total/NA	Solid	8021B	44052
880-23717-6	C80	Total/NA	Solid	8021B	44052
880-23717-7	C81	Total/NA	Solid	8021B	44052
880-23717-8	C88	Total/NA	Solid	8021B	44052
880-23717-9	C92	Total/NA	Solid	8021B	44052
880-23717-10	C31	Total/NA	Solid	8021B	44052
880-23717-11	C32	Total/NA	Solid	8021B	44052
880-23717-12	SW9	Total/NA	Solid	8021B	44052
880-23717-13	SW13	Total/NA	Solid	8021B	44052
880-23717-14	SW11	Total/NA	Solid	8021B	44052
880-23717-15	C61	Total/NA	Solid	8021B	44052
880-23717-16	SW15	Total/NA	Solid	8021B	44052
880-23717-17	SW-1'	Total/NA	Solid	8021B	44052
880-23717-18	SW-2'	Total/NA	Solid	8021B	44052
880-23717-19	SW-3'	Total/NA	Solid	8021B	44052
880-23717-20	SW-5'	Total/NA	Solid	8021B	44052
MB 880-44052/5-A	Method Blank	Total/NA	Solid	8021B	44052
LCS 880-44052/1-A	Lab Control Sample	Total/NA	Solid	8021B	44052
LCSD 880-44052/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44052
880-23717-1 MS	C63	Total/NA	Solid	8021B	44052
880-23717-1 MSD	C63	Total/NA	Solid	8021B	44052

Analysis Batch: 44224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-21	C98	Total/NA	Solid	8021B	44055
880-23717-22	C99	Total/NA	Solid	8021B	44055
880-23717-23	C101	Total/NA	Solid	8021B	44055
880-23717-24	C102	Total/NA	Solid	8021B	44055
880-23717-25	C109	Total/NA	Solid	8021B	44055
880-23717-26	C110	Total/NA	Solid	8021B	44055
880-23717-27	C119	Total/NA	Solid	8021B	44055
880-23717-28	S5	Total/NA	Solid	8021B	44055
880-23717-29	S6	Total/NA	Solid	8021B	44055
880-23717-30	S7	Total/NA	Solid	8021B	44055
880-23717-31	S8	Total/NA	Solid	8021B	44055
880-23717-32	S9	Total/NA	Solid	8021B	44055
880-23717-33	S10	Total/NA	Solid	8021B	44055
880-23717-34	S11	Total/NA	Solid	8021B	44055
880-23717-35	S12	Total/NA	Solid	8021B	44055
880-23717-36	S13	Total/NA	Solid	8021B	44055
880-23717-37	S14	Total/NA	Solid	8021B	44055
880-23717-38	S15	Total/NA	Solid	8021B	44055

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 44224 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-39	S16	Total/NA	Solid	8021B	44055
880-23717-40	S17	Total/NA	Solid	8021B	44055
MB 880-44055/5-A	Method Blank	Total/NA	Solid	8021B	44055
LCS 880-44055/1-A	Lab Control Sample	Total/NA	Solid	8021B	44055
LCSD 880-44055/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44055
880-23717-21 MS	C98	Total/NA	Solid	8021B	44055
880-23717-21 MSD	C98	Total/NA	Solid	8021B	44055

Prep Batch: 44233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-44233/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 44315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-41	S18	Total/NA	Solid	8021B	44333
880-23717-42	SW14	Total/NA	Solid	8021B	44333
880-23717-43	C95	Total/NA	Solid	8021B	44333
MB 880-44233/5-A	Method Blank	Total/NA	Solid	8021B	44233
MB 880-44333/5-A	Method Blank	Total/NA	Solid	8021B	44333
LCS 880-44333/1-A	Lab Control Sample	Total/NA	Solid	8021B	44333
LCSD 880-44333/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44333

Prep Batch: 44333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-41	S18	Total/NA	Solid	5035	
880-23717-42	SW14	Total/NA	Solid	5035	
880-23717-43	C95	Total/NA	Solid	5035	
MB 880-44333/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44333/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44333/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 44358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-1	C63	Total/NA	Solid	Total BTEX	
880-23717-2	C64	Total/NA	Solid	Total BTEX	
880-23717-3	C72	Total/NA	Solid	Total BTEX	
880-23717-4	SW12	Total/NA	Solid	Total BTEX	
880-23717-5	C79	Total/NA	Solid	Total BTEX	
880-23717-6	C80	Total/NA	Solid	Total BTEX	
880-23717-7	C81	Total/NA	Solid	Total BTEX	
880-23717-8	C88	Total/NA	Solid	Total BTEX	
880-23717-9	C92	Total/NA	Solid	Total BTEX	
880-23717-10	C31	Total/NA	Solid	Total BTEX	
880-23717-11	C32	Total/NA	Solid	Total BTEX	
880-23717-12	SW9	Total/NA	Solid	Total BTEX	
880-23717-13	SW13	Total/NA	Solid	Total BTEX	
880-23717-14	SW11	Total/NA	Solid	Total BTEX	
880-23717-15	C61	Total/NA	Solid	Total BTEX	
880-23717-16	SW15	Total/NA	Solid	Total BTEX	
880-23717-17	SW-1'	Total/NA	Solid	Total BTEX	
880-23717-18	SW-2'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 44358 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-19	SW-3'	Total/NA	Solid	Total BTEX	
880-23717-20	SW-5'	Total/NA	Solid	Total BTEX	
880-23717-21	C98	Total/NA	Solid	Total BTEX	
880-23717-22	C99	Total/NA	Solid	Total BTEX	
880-23717-23	C101	Total/NA	Solid	Total BTEX	
880-23717-24	C102	Total/NA	Solid	Total BTEX	
880-23717-25	C109	Total/NA	Solid	Total BTEX	
880-23717-26	C110	Total/NA	Solid	Total BTEX	
880-23717-27	C119	Total/NA	Solid	Total BTEX	
880-23717-28	S5	Total/NA	Solid	Total BTEX	
880-23717-29	S6	Total/NA	Solid	Total BTEX	
880-23717-30	S7	Total/NA	Solid	Total BTEX	
880-23717-31	S8	Total/NA	Solid	Total BTEX	
880-23717-32	S9	Total/NA	Solid	Total BTEX	
880-23717-33	S10	Total/NA	Solid	Total BTEX	
880-23717-34	S11	Total/NA	Solid	Total BTEX	
880-23717-35	S12	Total/NA	Solid	Total BTEX	
880-23717-36	S13	Total/NA	Solid	Total BTEX	
880-23717-37	S14	Total/NA	Solid	Total BTEX	
880-23717-38	S15	Total/NA	Solid	Total BTEX	
880-23717-39	S16	Total/NA	Solid	Total BTEX	
880-23717-40	S17	Total/NA	Solid	Total BTEX	
880-23717-41	S18	Total/NA	Solid	Total BTEX	
880-23717-42	SW14	Total/NA	Solid	Total BTEX	
880-23717-43	C95	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 44134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-1	C63	Total/NA	Solid	8015NM Prep	
880-23717-2	C64	Total/NA	Solid	8015NM Prep	
880-23717-3	C72	Total/NA	Solid	8015NM Prep	
880-23717-4	SW12	Total/NA	Solid	8015NM Prep	
880-23717-5	C79	Total/NA	Solid	8015NM Prep	
880-23717-6	C80	Total/NA	Solid	8015NM Prep	
880-23717-7	C81	Total/NA	Solid	8015NM Prep	
880-23717-8	C88	Total/NA	Solid	8015NM Prep	
880-23717-9	C92	Total/NA	Solid	8015NM Prep	
880-23717-10	C31	Total/NA	Solid	8015NM Prep	
880-23717-11	C32	Total/NA	Solid	8015NM Prep	
880-23717-12	SW9	Total/NA	Solid	8015NM Prep	
880-23717-13	SW13	Total/NA	Solid	8015NM Prep	
880-23717-14	SW11	Total/NA	Solid	8015NM Prep	
880-23717-15	C61	Total/NA	Solid	8015NM Prep	
880-23717-16	SW15	Total/NA	Solid	8015NM Prep	
880-23717-17	SW-1'	Total/NA	Solid	8015NM Prep	
880-23717-18	SW-2'	Total/NA	Solid	8015NM Prep	
880-23717-19	SW-3'	Total/NA	Solid	8015NM Prep	
880-23717-20	SW-5'	Total/NA	Solid	8015NM Prep	
MB 880-44134/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Prep Batch: 44134 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-44134/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44134/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23717-1 MS	C63	Total/NA	Solid	8015NM Prep	
880-23717-1 MSD	C63	Total/NA	Solid	8015NM Prep	

Prep Batch: 44135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-21	C98	Total/NA	Solid	8015NM Prep	
880-23717-22	C99	Total/NA	Solid	8015NM Prep	
880-23717-23	C101	Total/NA	Solid	8015NM Prep	
880-23717-24	C102	Total/NA	Solid	8015NM Prep	
880-23717-25	C109	Total/NA	Solid	8015NM Prep	
880-23717-26	C110	Total/NA	Solid	8015NM Prep	
880-23717-27	C119	Total/NA	Solid	8015NM Prep	
880-23717-28	S5	Total/NA	Solid	8015NM Prep	
880-23717-29	S6	Total/NA	Solid	8015NM Prep	
880-23717-30	S7	Total/NA	Solid	8015NM Prep	
880-23717-31	S8	Total/NA	Solid	8015NM Prep	
880-23717-32	S9	Total/NA	Solid	8015NM Prep	
880-23717-33	S10	Total/NA	Solid	8015NM Prep	
880-23717-34	S11	Total/NA	Solid	8015NM Prep	
880-23717-35	S12	Total/NA	Solid	8015NM Prep	
880-23717-36	S13	Total/NA	Solid	8015NM Prep	
880-23717-37	S14	Total/NA	Solid	8015NM Prep	
880-23717-38	S15	Total/NA	Solid	8015NM Prep	
880-23717-39	S16	Total/NA	Solid	8015NM Prep	
880-23717-40	S17	Total/NA	Solid	8015NM Prep	
MB 880-44135/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44135/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44135/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23717-21 MS	C98	Total/NA	Solid	8015NM Prep	
880-23717-21 MSD	C98	Total/NA	Solid	8015NM Prep	

Prep Batch: 44256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-41	S18	Total/NA	Solid	8015NM Prep	
880-23717-42	SW14	Total/NA	Solid	8015NM Prep	
880-23717-43	C95	Total/NA	Solid	8015NM Prep	
MB 880-44256/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44256/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44256/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 44309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-41	S18	Total/NA	Solid	8015B NM	44256
880-23717-42	SW14	Total/NA	Solid	8015B NM	44256
880-23717-43	C95	Total/NA	Solid	8015B NM	44256
MB 880-44256/1-A	Method Blank	Total/NA	Solid	8015B NM	44256
LCS 880-44256/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44256
LCSD 880-44256/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44256

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

GC Semi VOA

Analysis Batch: 44450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-1	C63	Total/NA	Solid	8015 NM	
880-23717-2	C64	Total/NA	Solid	8015 NM	
880-23717-3	C72	Total/NA	Solid	8015 NM	
880-23717-4	SW12	Total/NA	Solid	8015 NM	
880-23717-5	C79	Total/NA	Solid	8015 NM	
880-23717-6	C80	Total/NA	Solid	8015 NM	
880-23717-7	C81	Total/NA	Solid	8015 NM	
880-23717-8	C88	Total/NA	Solid	8015 NM	
880-23717-9	C92	Total/NA	Solid	8015 NM	
880-23717-10	C31	Total/NA	Solid	8015 NM	
880-23717-11	C32	Total/NA	Solid	8015 NM	
880-23717-12	SW9	Total/NA	Solid	8015 NM	
880-23717-13	SW13	Total/NA	Solid	8015 NM	
880-23717-14	SW11	Total/NA	Solid	8015 NM	
880-23717-15	C61	Total/NA	Solid	8015 NM	
880-23717-16	SW15	Total/NA	Solid	8015 NM	
880-23717-17	SW-1'	Total/NA	Solid	8015 NM	
880-23717-18	SW-2'	Total/NA	Solid	8015 NM	
880-23717-19	SW-3'	Total/NA	Solid	8015 NM	
880-23717-20	SW-5'	Total/NA	Solid	8015 NM	
880-23717-21	C98	Total/NA	Solid	8015 NM	
880-23717-22	C99	Total/NA	Solid	8015 NM	
880-23717-23	C101	Total/NA	Solid	8015 NM	
880-23717-24	C102	Total/NA	Solid	8015 NM	
880-23717-25	C109	Total/NA	Solid	8015 NM	
880-23717-26	C110	Total/NA	Solid	8015 NM	
880-23717-27	C119	Total/NA	Solid	8015 NM	
880-23717-28	S5	Total/NA	Solid	8015 NM	
880-23717-29	S6	Total/NA	Solid	8015 NM	
880-23717-30	S7	Total/NA	Solid	8015 NM	
880-23717-31	S8	Total/NA	Solid	8015 NM	
880-23717-32	S9	Total/NA	Solid	8015 NM	
880-23717-33	S10	Total/NA	Solid	8015 NM	
880-23717-34	S11	Total/NA	Solid	8015 NM	
880-23717-35	S12	Total/NA	Solid	8015 NM	
880-23717-36	S13	Total/NA	Solid	8015 NM	
880-23717-37	S14	Total/NA	Solid	8015 NM	
880-23717-38	S15	Total/NA	Solid	8015 NM	
880-23717-39	S16	Total/NA	Solid	8015 NM	
880-23717-40	S17	Total/NA	Solid	8015 NM	
880-23717-41	S18	Total/NA	Solid	8015 NM	
880-23717-42	SW14	Total/NA	Solid	8015 NM	
880-23717-43	C95	Total/NA	Solid	8015 NM	

Analysis Batch: 44706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-1	C63	Total/NA	Solid	8015B NM	44134
880-23717-2	C64	Total/NA	Solid	8015B NM	44134
880-23717-3	C72	Total/NA	Solid	8015B NM	44134
880-23717-4	SW12	Total/NA	Solid	8015B NM	44134
880-23717-5	C79	Total/NA	Solid	8015B NM	44134

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Analysis Batch: 44706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-6	C80	Total/NA	Solid	8015B NM	44134
880-23717-7	C81	Total/NA	Solid	8015B NM	44134
880-23717-8	C88	Total/NA	Solid	8015B NM	44134
880-23717-9	C92	Total/NA	Solid	8015B NM	44134
880-23717-10	C31	Total/NA	Solid	8015B NM	44134
880-23717-11	C32	Total/NA	Solid	8015B NM	44134
880-23717-12	SW9	Total/NA	Solid	8015B NM	44134
880-23717-13	SW13	Total/NA	Solid	8015B NM	44134
880-23717-14	SW11	Total/NA	Solid	8015B NM	44134
880-23717-15	C61	Total/NA	Solid	8015B NM	44134
880-23717-16	SW15	Total/NA	Solid	8015B NM	44134
880-23717-17	SW-1'	Total/NA	Solid	8015B NM	44134
880-23717-18	SW-2'	Total/NA	Solid	8015B NM	44134
880-23717-19	SW-3'	Total/NA	Solid	8015B NM	44134
880-23717-20	SW-5'	Total/NA	Solid	8015B NM	44134
MB 880-44134/1-A	Method Blank	Total/NA	Solid	8015B NM	44134
LCS 880-44134/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44134
LCSD 880-44134/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44134
880-23717-1 MS	C63	Total/NA	Solid	8015B NM	44134
880-23717-1 MSD	C63	Total/NA	Solid	8015B NM	44134

Analysis Batch: 44809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-21	C98	Total/NA	Solid	8015B NM	44135
880-23717-22	C99	Total/NA	Solid	8015B NM	44135
880-23717-23	C101	Total/NA	Solid	8015B NM	44135
880-23717-24	C102	Total/NA	Solid	8015B NM	44135
880-23717-25	C109	Total/NA	Solid	8015B NM	44135
880-23717-26	C110	Total/NA	Solid	8015B NM	44135
880-23717-27	C119	Total/NA	Solid	8015B NM	44135
880-23717-28	S5	Total/NA	Solid	8015B NM	44135
880-23717-29	S6	Total/NA	Solid	8015B NM	44135
880-23717-30	S7	Total/NA	Solid	8015B NM	44135
880-23717-31	S8	Total/NA	Solid	8015B NM	44135
880-23717-32	S9	Total/NA	Solid	8015B NM	44135
880-23717-33	S10	Total/NA	Solid	8015B NM	44135
880-23717-34	S11	Total/NA	Solid	8015B NM	44135
880-23717-35	S12	Total/NA	Solid	8015B NM	44135
880-23717-36	S13	Total/NA	Solid	8015B NM	44135
880-23717-37	S14	Total/NA	Solid	8015B NM	44135
880-23717-38	S15	Total/NA	Solid	8015B NM	44135
880-23717-39	S16	Total/NA	Solid	8015B NM	44135
880-23717-40	S17	Total/NA	Solid	8015B NM	44135
MB 880-44135/1-A	Method Blank	Total/NA	Solid	8015B NM	44135
LCS 880-44135/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44135
LCSD 880-44135/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44135
880-23717-21 MS	C98	Total/NA	Solid	8015B NM	44135
880-23717-21 MSD	C98	Total/NA	Solid	8015B NM	44135

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

HPLC/IC

Leach Batch: 44238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-1	C63	Soluble	Solid	DI Leach	
880-23717-2	C64	Soluble	Solid	DI Leach	
880-23717-3	C72	Soluble	Solid	DI Leach	
MB 880-44238/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44238/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44238/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 44239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-4	SW12	Soluble	Solid	DI Leach	
880-23717-5	C79	Soluble	Solid	DI Leach	
880-23717-6	C80	Soluble	Solid	DI Leach	
880-23717-7	C81	Soluble	Solid	DI Leach	
880-23717-8	C88	Soluble	Solid	DI Leach	
880-23717-9	C92	Soluble	Solid	DI Leach	
880-23717-10	C31	Soluble	Solid	DI Leach	
880-23717-11	C32	Soluble	Solid	DI Leach	
880-23717-12	SW9	Soluble	Solid	DI Leach	
880-23717-13	SW13	Soluble	Solid	DI Leach	
880-23717-14	SW11	Soluble	Solid	DI Leach	
880-23717-15	C61	Soluble	Solid	DI Leach	
880-23717-16	SW15	Soluble	Solid	DI Leach	
880-23717-17	SW-1'	Soluble	Solid	DI Leach	
880-23717-18	SW-2'	Soluble	Solid	DI Leach	
880-23717-19	SW-3'	Soluble	Solid	DI Leach	
880-23717-20	SW-5'	Soluble	Solid	DI Leach	
880-23717-21	C98	Soluble	Solid	DI Leach	
880-23717-22	C99	Soluble	Solid	DI Leach	
880-23717-23	C101	Soluble	Solid	DI Leach	
MB 880-44239/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44239/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44239/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23717-4 MS	SW12	Soluble	Solid	DI Leach	
880-23717-4 MSD	SW12	Soluble	Solid	DI Leach	
880-23717-14 MS	SW11	Soluble	Solid	DI Leach	
880-23717-14 MSD	SW11	Soluble	Solid	DI Leach	

Leach Batch: 44240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-24	C102	Soluble	Solid	DI Leach	
880-23717-25	C109	Soluble	Solid	DI Leach	
880-23717-26	C110	Soluble	Solid	DI Leach	
880-23717-27	C119	Soluble	Solid	DI Leach	
880-23717-28	S5	Soluble	Solid	DI Leach	
880-23717-29	S6	Soluble	Solid	DI Leach	
880-23717-30	S7	Soluble	Solid	DI Leach	
880-23717-31	S8	Soluble	Solid	DI Leach	
880-23717-32	S9	Soluble	Solid	DI Leach	
880-23717-33	S10	Soluble	Solid	DI Leach	
880-23717-34	S11	Soluble	Solid	DI Leach	
880-23717-35	S12	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

HPLC/IC (Continued)

Leach Batch: 44240 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-36	S13	Soluble	Solid	DI Leach	
880-23717-37	S14	Soluble	Solid	DI Leach	
880-23717-38	S15	Soluble	Solid	DI Leach	
880-23717-39	S16	Soluble	Solid	DI Leach	
880-23717-40	S17	Soluble	Solid	DI Leach	
880-23717-41	S18	Soluble	Solid	DI Leach	
880-23717-42	SW14	Soluble	Solid	DI Leach	
880-23717-43	C95	Soluble	Solid	DI Leach	
MB 880-44240/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44240/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44240/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23717-24 MS	C102	Soluble	Solid	DI Leach	
880-23717-24 MSD	C102	Soluble	Solid	DI Leach	
880-23717-34 MS	S11	Soluble	Solid	DI Leach	
880-23717-34 MSD	S11	Soluble	Solid	DI Leach	

Analysis Batch: 44368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-1	C63	Soluble	Solid	300.0	44238
880-23717-2	C64	Soluble	Solid	300.0	44238
880-23717-3	C72	Soluble	Solid	300.0	44238
MB 880-44238/1-A	Method Blank	Soluble	Solid	300.0	44238
LCS 880-44238/2-A	Lab Control Sample	Soluble	Solid	300.0	44238
LCSD 880-44238/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44238

Analysis Batch: 44369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-4	SW12	Soluble	Solid	300.0	44239
880-23717-5	C79	Soluble	Solid	300.0	44239
880-23717-6	C80	Soluble	Solid	300.0	44239
880-23717-7	C81	Soluble	Solid	300.0	44239
880-23717-8	C88	Soluble	Solid	300.0	44239
880-23717-9	C92	Soluble	Solid	300.0	44239
880-23717-10	C31	Soluble	Solid	300.0	44239
880-23717-11	C32	Soluble	Solid	300.0	44239
880-23717-12	SW9	Soluble	Solid	300.0	44239
880-23717-13	SW13	Soluble	Solid	300.0	44239
880-23717-14	SW11	Soluble	Solid	300.0	44239
880-23717-15	C61	Soluble	Solid	300.0	44239
880-23717-16	SW15	Soluble	Solid	300.0	44239
880-23717-17	SW-1'	Soluble	Solid	300.0	44239
880-23717-18	SW-2'	Soluble	Solid	300.0	44239
880-23717-19	SW-3'	Soluble	Solid	300.0	44239
880-23717-20	SW-5'	Soluble	Solid	300.0	44239
880-23717-21	C98	Soluble	Solid	300.0	44239
880-23717-22	C99	Soluble	Solid	300.0	44239
880-23717-23	C101	Soluble	Solid	300.0	44239
MB 880-44239/1-A	Method Blank	Soluble	Solid	300.0	44239
LCS 880-44239/2-A	Lab Control Sample	Soluble	Solid	300.0	44239
LCSD 880-44239/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44239
880-23717-4 MS	SW12	Soluble	Solid	300.0	44239

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

HPLC/IC (Continued)

Analysis Batch: 44369 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-4 MSD	SW12	Soluble	Solid	300.0	44239
880-23717-14 MS	SW11	Soluble	Solid	300.0	44239
880-23717-14 MSD	SW11	Soluble	Solid	300.0	44239

Analysis Batch: 44406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23717-24	C102	Soluble	Solid	300.0	44240
880-23717-25	C109	Soluble	Solid	300.0	44240
880-23717-26	C110	Soluble	Solid	300.0	44240
880-23717-27	C119	Soluble	Solid	300.0	44240
880-23717-28	S5	Soluble	Solid	300.0	44240
880-23717-29	S6	Soluble	Solid	300.0	44240
880-23717-30	S7	Soluble	Solid	300.0	44240
880-23717-31	S8	Soluble	Solid	300.0	44240
880-23717-32	S9	Soluble	Solid	300.0	44240
880-23717-33	S10	Soluble	Solid	300.0	44240
880-23717-34	S11	Soluble	Solid	300.0	44240
880-23717-35	S12	Soluble	Solid	300.0	44240
880-23717-36	S13	Soluble	Solid	300.0	44240
880-23717-37	S14	Soluble	Solid	300.0	44240
880-23717-38	S15	Soluble	Solid	300.0	44240
880-23717-39	S16	Soluble	Solid	300.0	44240
880-23717-40	S17	Soluble	Solid	300.0	44240
880-23717-41	S18	Soluble	Solid	300.0	44240
880-23717-42	SW14	Soluble	Solid	300.0	44240
880-23717-43	C95	Soluble	Solid	300.0	44240
MB 880-44240/1-A	Method Blank	Soluble	Solid	300.0	44240
LCS 880-44240/2-A	Lab Control Sample	Soluble	Solid	300.0	44240
LCSD 880-44240/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44240
880-23717-24 MS	C102	Soluble	Solid	300.0	44240
880-23717-24 MSD	C102	Soluble	Solid	300.0	44240
880-23717-34 MS	S11	Soluble	Solid	300.0	44240
880-23717-34 MSD	S11	Soluble	Solid	300.0	44240

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C63

Lab Sample ID: 880-23717-1

Date Collected: 01/09/23 09:00

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/25/23 23:29	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44238	01/18/23 11:41	KS	EET MID
Soluble	Analysis	300.0		10			44368	01/19/23 18:59	CH	EET MID

Client Sample ID: C64

Lab Sample ID: 880-23717-2

Date Collected: 01/09/23 09:01

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 00:30	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44238	01/18/23 11:41	KS	EET MID
Soluble	Analysis	300.0		10			44368	01/19/23 19:05	CH	EET MID

Client Sample ID: C72

Lab Sample ID: 880-23717-3

Date Collected: 01/09/23 09:02

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 00:50	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44238	01/18/23 11:41	KS	EET MID
Soluble	Analysis	300.0		1			44368	01/19/23 19:11	CH	EET MID

Client Sample ID: SW12

Lab Sample ID: 880-23717-4

Date Collected: 01/09/23 09:03

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: SW12

Lab Sample ID: 880-23717-4

Date Collected: 01/09/23 09:03

Matrix: Solid

Date Received: 01/16/23 11:55

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			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 01:11	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		10			44369	01/19/23 19:58	CH	EET MID

Client Sample ID: C79

Lab Sample ID: 880-23717-5

Date Collected: 01/09/23 09:04

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 01:31	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		10			44369	01/19/23 20:15	CH	EET MID

Client Sample ID: C80

Lab Sample ID: 880-23717-6

Date Collected: 01/09/23 09:05

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 15:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 01:51	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		10			44369	01/19/23 20:21	CH	EET MID

Client Sample ID: C81

Lab Sample ID: 880-23717-7

Date Collected: 01/09/23 09:06

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 15:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 02:11	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C81**Lab Sample ID: 880-23717-7****Date Collected: 01/09/23 09:06****Matrix: Solid****Date Received: 01/16/23 11:55**

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	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		10			44369	01/19/23 20:27	CH	EET MID

Client Sample ID: C88**Lab Sample ID: 880-23717-8****Date Collected: 01/09/23 09:07****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 02:31	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		1			44369	01/19/23 20:33	CH	EET MID

Client Sample ID: C92**Lab Sample ID: 880-23717-9****Date Collected: 01/09/23 09:08****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 02:51	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		1			44369	01/19/23 20:50	CH	EET MID

Client Sample ID: C31**Lab Sample ID: 880-23717-10****Date Collected: 01/09/23 09:09****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 03:11	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		1			44369	01/19/23 20:56	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C32

Lab Sample ID: 880-23717-11

Date Collected: 01/09/23 09:10

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 03:52	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		1			44369	01/19/23 21:02	CH	EET MID

Client Sample ID: SW9

Lab Sample ID: 880-23717-12

Date Collected: 01/09/23 09:11

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 04:12	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		5			44369	01/19/23 21:08	CH	EET MID

Client Sample ID: SW13

Lab Sample ID: 880-23717-13

Date Collected: 01/09/23 09:12

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 19:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 04:32	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		1			44369	01/19/23 21:14	CH	EET MID

Client Sample ID: SW11

Lab Sample ID: 880-23717-14

Date Collected: 01/09/23 15:00

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: SW11**Lab Sample ID: 880-23717-14****Date Collected: 01/09/23 15:00****Matrix: Solid****Date Received: 01/16/23 11:55**

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			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 04:53	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		10			44369	01/19/23 21:19	CH	EET MID

Client Sample ID: C61**Lab Sample ID: 880-23717-15****Date Collected: 01/09/23 14:00****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 20:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 05:14	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		10			44369	01/19/23 21:37	CH	EET MID

Client Sample ID: SW15**Lab Sample ID: 880-23717-16****Date Collected: 01/10/23 13:00****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 21:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 05:34	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		1			44369	01/19/23 21:43	CH	EET MID

Client Sample ID: SW-1'**Lab Sample ID: 880-23717-17****Date Collected: 01/10/23 13:01****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 21:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 05:55	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: SW-1'**Lab Sample ID: 880-23717-17****Date Collected: 01/10/23 13:01****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		1			44369	01/19/23 22:00	CH	EET MID

Client Sample ID: SW-2'**Lab Sample ID: 880-23717-18****Date Collected: 01/10/23 13:02****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 22:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 06:15	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		1			44369	01/19/23 22:06	CH	EET MID

Client Sample ID: SW-3'**Lab Sample ID: 880-23717-19****Date Collected: 01/10/23 13:03****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 22:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 06:36	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		1			44369	01/19/23 22:12	CH	EET MID

Client Sample ID: SW-5'**Lab Sample ID: 880-23717-20****Date Collected: 01/10/23 13:04****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44052	01/16/23 16:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44222	01/18/23 22:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 17:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/26/23 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44134	01/17/23 09:05	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44706	01/26/23 06:57	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		1			44369	01/19/23 22:18	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C98

Lab Sample ID: 880-23717-21

Date Collected: 01/10/23 13:05

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/26/23 22:39	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		10			44369	01/19/23 22:24	CH	EET MID

Client Sample ID: C99

Lab Sample ID: 880-23717-22

Date Collected: 01/10/23 13:06

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/26/23 23:42	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		10			44369	01/19/23 22:30	CH	EET MID

Client Sample ID: C101

Lab Sample ID: 880-23717-23

Date Collected: 01/10/23 13:07

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 00:04	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44239	01/18/23 11:42	KS	EET MID
Soluble	Analysis	300.0		5			44369	01/19/23 22:35	CH	EET MID

Client Sample ID: C102

Lab Sample ID: 880-23717-24

Date Collected: 01/10/23 13:08

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C102

Lab Sample ID: 880-23717-24

Date Collected: 01/10/23 13:08

Matrix: Solid

Date Received: 01/16/23 11:55

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			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 00:25	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 03:29	CH	EET MID

Client Sample ID: C109

Lab Sample ID: 880-23717-25

Date Collected: 01/10/23 13:09

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 13:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 00:46	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 12:34	CH	EET MID

Client Sample ID: C110

Lab Sample ID: 880-23717-26

Date Collected: 01/10/23 13:10

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 01:07	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		5			44406	01/20/23 03:53	CH	EET MID

Client Sample ID: C119

Lab Sample ID: 880-23717-27

Date Collected: 01/10/23 13:11

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 01:29	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: C119

Lab Sample ID: 880-23717-27

Date Collected: 01/10/23 13:11

Matrix: Solid

Date Received: 01/16/23 11:55

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	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		5			44406	01/20/23 04:00	CH	EET MID

Client Sample ID: S5

Lab Sample ID: 880-23717-28

Date Collected: 01/11/23 09:45

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 14:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 01:51	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 12:40	CH	EET MID

Client Sample ID: S6

Lab Sample ID: 880-23717-29

Date Collected: 01/11/23 09:46

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 02:12	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 04:24	CH	EET MID

Client Sample ID: S7

Lab Sample ID: 880-23717-30

Date Collected: 01/11/23 09:47

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 15:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 02:33	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 04:43	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S8

Lab Sample ID: 880-23717-31

Date Collected: 01/11/23 09:48

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 03:16	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 04:30	CH	EET MID

Client Sample ID: S9

Lab Sample ID: 880-23717-32

Date Collected: 01/11/23 09:49

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 03:38	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 04:37	CH	EET MID

Client Sample ID: S10

Lab Sample ID: 880-23717-33

Date Collected: 01/11/23 09:50

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 18:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 04:00	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 04:49	CH	EET MID

Client Sample ID: S11

Lab Sample ID: 880-23717-34

Date Collected: 01/11/23 09:51

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S11

Lab Sample ID: 880-23717-34

Date Collected: 01/11/23 09:51

Matrix: Solid

Date Received: 01/16/23 11:55

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			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 04:20	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 12:46	CH	EET MID

Client Sample ID: S12

Lab Sample ID: 880-23717-35

Date Collected: 01/11/23 09:52

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 04:42	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 13:05	CH	EET MID

Client Sample ID: S13

Lab Sample ID: 880-23717-36

Date Collected: 01/11/23 09:53

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 05:04	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 13:11	CH	EET MID

Client Sample ID: S14

Lab Sample ID: 880-23717-37

Date Collected: 01/11/23 09:54

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 05:25	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S14

Lab Sample ID: 880-23717-37

Date Collected: 01/11/23 09:54

Matrix: Solid

Date Received: 01/16/23 11:55

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	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 05:38	CH	EET MID

Client Sample ID: S15

Lab Sample ID: 880-23717-38

Date Collected: 01/11/23 09:55

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 19:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 05:46	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		5			44406	01/20/23 05:44	CH	EET MID

Client Sample ID: S16

Lab Sample ID: 880-23717-39

Date Collected: 01/11/23 09:56

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 20:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 06:07	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 05:50	CH	EET MID

Client Sample ID: S17

Lab Sample ID: 880-23717-40

Date Collected: 01/11/23 09:57

Matrix: Solid

Date Received: 01/16/23 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44055	01/16/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44224	01/18/23 20:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/19/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/27/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44135	01/17/23 09:09	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44809	01/27/23 06:29	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 13:17	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Client Sample ID: S18**Lab Sample ID: 880-23717-41****Date Collected: 01/11/23 09:58****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44333	01/19/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44315	01/20/23 04:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/20/23 14:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/20/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44256	01/18/23 13:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44309	01/19/23 17:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		10			44406	01/20/23 06:03	CH	EET MID

Client Sample ID: SW14**Lab Sample ID: 880-23717-42****Date Collected: 01/11/23 09:59****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44333	01/19/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44315	01/20/23 04:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/20/23 14:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/20/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44256	01/18/23 13:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44309	01/19/23 17:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		5			44406	01/20/23 06:09	CH	EET MID

Client Sample ID: C95**Lab Sample ID: 880-23717-43****Date Collected: 01/11/23 12:30****Matrix: Solid****Date Received: 01/16/23 11:55**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44333	01/19/23 12:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44315	01/20/23 05:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44358	01/20/23 14:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44450	01/20/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44256	01/18/23 13:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44309	01/19/23 17:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44240	01/18/23 11:43	KS	EET MID
Soluble	Analysis	300.0		1			44406	01/20/23 06:15	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: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

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
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- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 880-23717-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23717-1	C63	Solid	01/09/23 09:00	01/16/23 11:55
880-23717-2	C64	Solid	01/09/23 09:01	01/16/23 11:55
880-23717-3	C72	Solid	01/09/23 09:02	01/16/23 11:55
880-23717-4	SW12	Solid	01/09/23 09:03	01/16/23 11:55
880-23717-5	C79	Solid	01/09/23 09:04	01/16/23 11:55
880-23717-6	C80	Solid	01/09/23 09:05	01/16/23 11:55
880-23717-7	C81	Solid	01/09/23 09:06	01/16/23 11:55
880-23717-8	C88	Solid	01/09/23 09:07	01/16/23 11:55
880-23717-9	C92	Solid	01/09/23 09:08	01/16/23 11:55
880-23717-10	C31	Solid	01/09/23 09:09	01/16/23 11:55
880-23717-11	C32	Solid	01/09/23 09:10	01/16/23 11:55
880-23717-12	SW9	Solid	01/09/23 09:11	01/16/23 11:55
880-23717-13	SW13	Solid	01/09/23 09:12	01/16/23 11:55
880-23717-14	SW11	Solid	01/09/23 15:00	01/16/23 11:55
880-23717-15	C61	Solid	01/09/23 14:00	01/16/23 11:55
880-23717-16	SW15	Solid	01/10/23 13:00	01/16/23 11:55
880-23717-17	SW-1'	Solid	01/10/23 13:01	01/16/23 11:55
880-23717-18	SW-2'	Solid	01/10/23 13:02	01/16/23 11:55
880-23717-19	SW-3'	Solid	01/10/23 13:03	01/16/23 11:55
880-23717-20	SW-5'	Solid	01/10/23 13:04	01/16/23 11:55
880-23717-21	C98	Solid	01/10/23 13:05	01/16/23 11:55
880-23717-22	C99	Solid	01/10/23 13:06	01/16/23 11:55
880-23717-23	C101	Solid	01/10/23 13:07	01/16/23 11:55
880-23717-24	C102	Solid	01/10/23 13:08	01/16/23 11:55
880-23717-25	C109	Solid	01/10/23 13:09	01/16/23 11:55
880-23717-26	C110	Solid	01/10/23 13:10	01/16/23 11:55
880-23717-27	C119	Solid	01/10/23 13:11	01/16/23 11:55
880-23717-28	S5	Solid	01/11/23 09:45	01/16/23 11:55
880-23717-29	S6	Solid	01/11/23 09:46	01/16/23 11:55
880-23717-30	S7	Solid	01/11/23 09:47	01/16/23 11:55
880-23717-31	S8	Solid	01/11/23 09:48	01/16/23 11:55
880-23717-32	S9	Solid	01/11/23 09:49	01/16/23 11:55
880-23717-33	S10	Solid	01/11/23 09:50	01/16/23 11:55
880-23717-34	S11	Solid	01/11/23 09:51	01/16/23 11:55
880-23717-35	S12	Solid	01/11/23 09:52	01/16/23 11:55
880-23717-36	S13	Solid	01/11/23 09:53	01/16/23 11:55
880-23717-37	S14	Solid	01/11/23 09:54	01/16/23 11:55
880-23717-38	S15	Solid	01/11/23 09:55	01/16/23 11:55
880-23717-39	S16	Solid	01/11/23 09:56	01/16/23 11:55
880-23717-40	S17	Solid	01/11/23 09:57	01/16/23 11:55
880-23717-41	S18	Solid	01/11/23 09:58	01/16/23 11:55
880-23717-42	SW14	Solid	01/11/23 09:59	01/16/23 11:55
880-23717-43	C95	Solid	01/11/23 12:30	01/16/23 11:55

1/27/2023

[illegible]

Varson & Associates, Inc.

Environmental Consultants

507 N. Morienfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE _____ PAGE 3 OF 3
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Heyhurst Pond 2
LAI PROJECT # 22-0107-01 COLLECTOR JH

23717 No. 2907
CHAIN-OF-CUSTODY

Field Sample ID	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				ANALYSES	TURN AROUND TIME	LABORATORY USE ONLY:
						S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	HCl	HNO ₃			
<u>MT/MM</u>												
<u>S8</u>		<u>1-11-23</u>	<u>948</u>	<u>S</u>	<u>1</u>			<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>S9</u>			<u>949</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>S10</u>			<u>950</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>S11</u>			<u>951</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>S12</u>			<u>952</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>S13</u>			<u>953</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>S14</u>			<u>954</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>S15</u>			<u>955</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>S16</u>			<u>956</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>S17</u>			<u>957</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>S18</u>			<u>958</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>SW14</u>			<u>959</u>							<u>X</u>	<u>X</u>	<u>X</u>
<u>C95</u>		<u>1-11-23</u>	<u>1230</u>	<u>S</u>	<u>1</u>			<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>
TOTAL												
RECEIVED BY (Signature) <u>[Signature]</u> DATE/TIME <u>1/16/23 1155</u> RECEIVED BY (Signature) <u>[Signature]</u>												
RELIQUISHED BY (Signature) <u>[Signature]</u> DATE/TIME <u>1/16/23 1155</u> RECEIVED BY (Signature) <u>[Signature]</u>												
RELIQUISHED BY (Signature) <u>[Signature]</u> DATE/TIME <u>1/16/23 1155</u> RECEIVED BY (Signature) <u>[Signature]</u>												
LABORATORY <u>XERO</u>												
ANALYSES: ☒ BTEX ☒ MTBE ☐ TPH 1005 ☐ TPH 1006 ☐ ☐ TRPH 418.1 ☐ 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 ☐ TCLP - METALS (RCRA) ☐ TCLP - PEST ☐ FLASHPOINT ☐ ☐ LEAD - TOTAL ☐ DW 200.8 ☐ TCLP ☐ RCI ☐ TOX ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ ☐ TDS ☐ HEXAVALENT CHROMIUM ☐ PH ☐ EXPLOSIVES ☐ PETCHLORATE ☐ CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐ FIELD NOTES												
Loc: 880 23717												

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-23717-1

SDG Number: 22-0107-01

Login Number: 23717

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 3/9/2023 1:53:43 PM

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0107-01

JOB NUMBER

880-25189-1

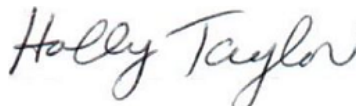
Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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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3/9/2023 1:53:43 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Laboratory Job ID: 880-25189-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

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: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Job ID: 880-25189-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-25189-1
-----------	------------------------------

Receipt

The samples were received on 2/27/2023 9:41 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW14 (880-25189-1), C252 (880-25189-2), C253 (880-25189-3), C254 (880-25189-4), C257 (880-25189-5), C99 (880-25189-6) and C204 (880-25189-7).

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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-47356 and analytical batch 880-47599 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Client Sample ID: SW14

Lab Sample ID: 880-25189-1

Date Collected: 02/24/23 08:00

Matrix: Solid

Date Received: 02/27/23 09:41

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		03/08/23 09:47	03/08/23 18:51	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/08/23 09:47	03/08/23 18:51	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/08/23 09:47	03/08/23 18:51	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/08/23 09:47	03/08/23 18:51	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/08/23 09:47	03/08/23 18:51	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/08/23 09:47	03/08/23 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/08/23 09:47	03/08/23 18:51	1
1,4-Difluorobenzene (Surr)	78		70 - 130	03/08/23 09:47	03/08/23 18:51	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			03/09/23 14:36	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			03/03/23 12:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 16:37	03/02/23 17:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		02/27/23 16:37	03/02/23 17:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 16:37	03/02/23 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	02/27/23 16:37	03/02/23 17:48	1
o-Terphenyl (Surr)	91		70 - 130	02/27/23 16:37	03/02/23 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		5.00	mg/Kg			03/03/23 14:02	1

Client Sample ID: C252

Lab Sample ID: 880-25189-2

Date Collected: 02/24/23 08:01

Matrix: Solid

Date Received: 02/27/23 09:41

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		03/08/23 09:47	03/08/23 19:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 19:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 19:12	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		03/08/23 09:47	03/08/23 19:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 19:12	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/08/23 09:47	03/08/23 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/08/23 09:47	03/08/23 19:12	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/08/23 09:47	03/08/23 19:12	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Client Sample ID: C252

Lab Sample ID: 880-25189-2

Date Collected: 02/24/23 08:01

Matrix: Solid

Date Received: 02/27/23 09:41

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			03/09/23 14:36	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			03/03/23 12:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 16:37	03/02/23 18:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		02/27/23 16:37	03/02/23 18:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 16:37	03/02/23 18:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			02/27/23 16:37	03/02/23 18:10	1
o-Terphenyl (Surr)	85		70 - 130			02/27/23 16:37	03/02/23 18:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		4.97	mg/Kg			03/03/23 14:08	1

Client Sample ID: C253

Lab Sample ID: 880-25189-3

Date Collected: 02/24/23 08:02

Matrix: Solid

Date Received: 02/27/23 09:41

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		03/08/23 09:47	03/08/23 19:33	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/08/23 09:47	03/08/23 19:33	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/08/23 09:47	03/08/23 19:33	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		03/08/23 09:47	03/08/23 19:33	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/08/23 09:47	03/08/23 19:33	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/08/23 09:47	03/08/23 19:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			03/08/23 09:47	03/08/23 19:33	1
1,4-Difluorobenzene (Surr)	91		70 - 130			03/08/23 09:47	03/08/23 19:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/09/23 14:36	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			03/03/23 12:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/27/23 16:37	03/02/23 18:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		02/27/23 16:37	03/02/23 18:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Client Sample ID: C253

Lab Sample ID: 880-25189-3

Date Collected: 02/24/23 08:02

Matrix: Solid

Date Received: 02/27/23 09:41

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		02/27/23 16:37	03/02/23 18:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			02/27/23 16:37	03/02/23 18:32	1
o-Terphenyl (Surr)	96		70 - 130			02/27/23 16:37	03/02/23 18:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	205		4.95	mg/Kg			03/03/23 14:14	1

Client Sample ID: C254

Lab Sample ID: 880-25189-4

Date Collected: 02/24/23 08:03

Matrix: Solid

Date Received: 02/27/23 09:41

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		03/08/23 09:47	03/08/23 19:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 19:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 19:54	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		03/08/23 09:47	03/08/23 19:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 19:54	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/08/23 09:47	03/08/23 19:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/08/23 09:47	03/08/23 19:54	1
1,4-Difluorobenzene (Surr)	85		70 - 130			03/08/23 09:47	03/08/23 19:54	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			03/09/23 14:36	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			03/03/23 12:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/27/23 16:37	03/02/23 18:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		02/27/23 16:37	03/02/23 18:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/27/23 16:37	03/02/23 18:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			02/27/23 16:37	03/02/23 18:54	1
o-Terphenyl (Surr)	83		70 - 130			02/27/23 16:37	03/02/23 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		5.04	mg/Kg			03/03/23 14:21	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Client Sample ID: C257

Lab Sample ID: 880-25189-5

Date Collected: 02/24/23 08:04

Matrix: Solid

Date Received: 02/27/23 09:41

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		03/08/23 09:47	03/08/23 20:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/08/23 09:47	03/08/23 20:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/08/23 09:47	03/08/23 20:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/08/23 09:47	03/08/23 20:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/08/23 09:47	03/08/23 20:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/08/23 09:47	03/08/23 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/08/23 09:47	03/08/23 20:15	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/08/23 09:47	03/08/23 20:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/09/23 14:36	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			03/03/23 12:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/27/23 16:37	03/02/23 19:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		02/27/23 16:37	03/02/23 19:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/27/23 16:37	03/02/23 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130	02/27/23 16:37	03/02/23 19:17	1
o-Terphenyl (Surr)	83		70 - 130	02/27/23 16:37	03/02/23 19:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		5.00	mg/Kg			03/03/23 14:27	1

Client Sample ID: C99

Lab Sample ID: 880-25189-6

Date Collected: 02/24/23 10:00

Matrix: Solid

Date Received: 02/27/23 09:41

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		03/08/23 09:47	03/08/23 20:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/08/23 09:47	03/08/23 20:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/08/23 09:47	03/08/23 20:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/08/23 09:47	03/08/23 20:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/08/23 09:47	03/08/23 20:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/08/23 09:47	03/08/23 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	03/08/23 09:47	03/08/23 20:35	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/08/23 09:47	03/08/23 20:35	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Client Sample ID: C99

Lab Sample ID: 880-25189-6

Date Collected: 02/24/23 10:00

Matrix: Solid

Date Received: 02/27/23 09:41

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			03/09/23 14:36	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			03/02/23 09:50	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/28/23 16:21	03/01/23 18:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/28/23 16:21	03/01/23 18:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/28/23 16:21	03/01/23 18:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			02/28/23 16:21	03/01/23 18:09	1
o-Terphenyl (Surr)	119		70 - 130			02/28/23 16:21	03/01/23 18:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.5		4.99	mg/Kg			03/03/23 14:33	1

Client Sample ID: C204

Lab Sample ID: 880-25189-7

Date Collected: 02/24/23 10:01

Matrix: Solid

Date Received: 02/27/23 09:41

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		03/08/23 09:47	03/08/23 20:56	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/08/23 09:47	03/08/23 20:56	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/08/23 09:47	03/08/23 20:56	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		03/08/23 09:47	03/08/23 20:56	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/08/23 09:47	03/08/23 20:56	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/08/23 09:47	03/08/23 20:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			03/08/23 09:47	03/08/23 20:56	1
1,4-Difluorobenzene (Surr)	78		70 - 130			03/08/23 09:47	03/08/23 20:56	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			03/09/23 14:36	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			03/02/23 09:50	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/28/23 16:21	03/01/23 18:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/28/23 16:21	03/01/23 18:29	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Client Sample ID: C204
Date Collected: 02/24/23 10:01
Date Received: 02/27/23 09:41

Lab Sample ID: 880-25189-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/28/23 16:21	03/01/23 18:29	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	118		70 - 130			02/28/23 16:21	03/01/23 18:29	1	
o-Terphenyl (Surr)	116		70 - 130			02/28/23 16:21	03/01/23 18:29	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	133		4.96	mg/Kg			03/03/23 14:39	1	

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

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)
880-25189-1	SW14	115	78
880-25189-2	C252	118	85
880-25189-3	C253	117	91
880-25189-4	C254	115	85
880-25189-5	C257	114	92
880-25189-6	C99	116	101
880-25189-7	C204	103	78
LCS 880-48104/1-A	Lab Control Sample	93	94
LCSD 880-48104/2-A	Lab Control Sample Dup	95	91
MB 880-48104/5-A	Method Blank	87	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)
880-25189-1	SW14	82	91
880-25189-2	C252	81	85
880-25189-3	C253	101	96
880-25189-4	C254	78	83
880-25189-5	C257	78	83
880-25189-6	C99	119	119
880-25189-7	C204	118	116
LCS 880-47356/2-A	Lab Control Sample	109	108
LCS 880-47472/2-A	Lab Control Sample	112	102
LCSD 880-47356/3-A	Lab Control Sample Dup	84	90
LCSD 880-47472/3-A	Lab Control Sample Dup	123	113
MB 880-47356/1-A	Method Blank	107	110
MB 880-47472/1-A	Method Blank	131 S1+	127
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48104/5-A

Matrix: Solid

Analysis Batch: 48098

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48104

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 12:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 12:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 12:14	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/08/23 09:47	03/08/23 12:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 12:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/08/23 09:47	03/08/23 12:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	03/08/23 09:47	03/08/23 12:14	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/08/23 09:47	03/08/23 12:14	1

Lab Sample ID: LCS 880-48104/1-A

Matrix: Solid

Analysis Batch: 48098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09481		mg/Kg		95	70 - 130
Toluene	0.100	0.09602		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09528		mg/Kg		95	70 - 130
m,p-Xylenes	0.200	0.1960		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09761		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-48104/2-A

Matrix: Solid

Analysis Batch: 48098

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48104

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09710		mg/Kg		97	70 - 130	2	35
Toluene	0.100	0.09753		mg/Kg		98	70 - 130	2	35
Ethylbenzene	0.100	0.09558		mg/Kg		96	70 - 130	0	35
m,p-Xylenes	0.200	0.1947		mg/Kg		97	70 - 130	1	35
o-Xylene	0.100	0.09685		mg/Kg		97	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-47356/1-A

Matrix: Solid

Analysis Batch: 47599

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47356

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		02/27/23 16:37	03/02/23 08:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/27/23 16:37	03/02/23 08:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/27/23 16:37	03/02/23 08:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			02/27/23 16:37	03/02/23 08:06	1
o-Terphenyl (Surr)	110		70 - 130			02/27/23 16:37	03/02/23 08:06	1

Lab Sample ID: LCS 880-47356/2-A

Matrix: Solid

Analysis Batch: 47599

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47356

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1047		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1126		mg/Kg		113	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	109		70 - 130				
o-Terphenyl (Surr)	108		70 - 130				

Lab Sample ID: LCSD 880-47356/3-A

Matrix: Solid

Analysis Batch: 47599

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47356

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	912.6		mg/Kg		91	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	896.4	*1	mg/Kg		90	70 - 130	23	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	84		70 - 130						
o-Terphenyl (Surr)	90		70 - 130						

Lab Sample ID: MB 880-47472/1-A

Matrix: Solid

Analysis Batch: 47505

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47472

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		02/28/23 16:21	03/01/23 08:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/28/23 16:21	03/01/23 08:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/28/23 16:21	03/01/23 08:46	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-47472/1-A

Matrix: Solid

Analysis Batch: 47505

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47472

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
1-Chlorooctane (Surr)	131	S1+	70 - 130	02/28/23 16:21	03/01/23 08:46	1			
o-Terphenyl (Surr)	127		70 - 130	02/28/23 16:21	03/01/23 08:46	1			

Lab Sample ID: LCS 880-47472/2-A

Matrix: Solid

Analysis Batch: 47505

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47472

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	842.5		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	983.6		mg/Kg		98	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	112		70 - 130								
o-Terphenyl (Surr)	102		70 - 130								

Lab Sample ID: LCSD 880-47472/3-A

Matrix: Solid

Analysis Batch: 47505

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47472

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	915.9		mg/Kg		92	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)			1000	1096		mg/Kg		110	70 - 130	11	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	123		70 - 130									
o-Terphenyl (Surr)	113		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47619/1-A

Matrix: Solid

Analysis Batch: 47720

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			03/03/23 11:34	1			

Lab Sample ID: LCS 880-47619/2-A

Matrix: Solid

Analysis Batch: 47720

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	243.1		mg/Kg		97	90 - 110		

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-47619/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 47720											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	250	243.1		mg/Kg		97	90 - 110	0	20		

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

GC VOA

Analysis Batch: 48098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-1	SW14	Total/NA	Solid	8021B	48104
880-25189-2	C252	Total/NA	Solid	8021B	48104
880-25189-3	C253	Total/NA	Solid	8021B	48104
880-25189-4	C254	Total/NA	Solid	8021B	48104
880-25189-5	C257	Total/NA	Solid	8021B	48104
880-25189-6	C99	Total/NA	Solid	8021B	48104
880-25189-7	C204	Total/NA	Solid	8021B	48104
MB 880-48104/5-A	Method Blank	Total/NA	Solid	8021B	48104
LCS 880-48104/1-A	Lab Control Sample	Total/NA	Solid	8021B	48104
LCSD 880-48104/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48104

Prep Batch: 48104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-1	SW14	Total/NA	Solid	5035	
880-25189-2	C252	Total/NA	Solid	5035	
880-25189-3	C253	Total/NA	Solid	5035	
880-25189-4	C254	Total/NA	Solid	5035	
880-25189-5	C257	Total/NA	Solid	5035	
880-25189-6	C99	Total/NA	Solid	5035	
880-25189-7	C204	Total/NA	Solid	5035	
MB 880-48104/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48104/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48104/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 48232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-1	SW14	Total/NA	Solid	Total BTEX	
880-25189-2	C252	Total/NA	Solid	Total BTEX	
880-25189-3	C253	Total/NA	Solid	Total BTEX	
880-25189-4	C254	Total/NA	Solid	Total BTEX	
880-25189-5	C257	Total/NA	Solid	Total BTEX	
880-25189-6	C99	Total/NA	Solid	Total BTEX	
880-25189-7	C204	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 47356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-1	SW14	Total/NA	Solid	8015NM Prep	
880-25189-2	C252	Total/NA	Solid	8015NM Prep	
880-25189-3	C253	Total/NA	Solid	8015NM Prep	
880-25189-4	C254	Total/NA	Solid	8015NM Prep	
880-25189-5	C257	Total/NA	Solid	8015NM Prep	
MB 880-47356/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47356/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47356/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 47472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-6	C99	Total/NA	Solid	8015NM Prep	
880-25189-7	C204	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Prep Batch: 47472 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47472/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47472/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47472/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-6	C99	Total/NA	Solid	8015B NM	47472
880-25189-7	C204	Total/NA	Solid	8015B NM	47472
MB 880-47472/1-A	Method Blank	Total/NA	Solid	8015B NM	47472
LCS 880-47472/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47472
LCSD 880-47472/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47472

Analysis Batch: 47599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-1	SW14	Total/NA	Solid	8015B NM	47356
880-25189-2	C252	Total/NA	Solid	8015B NM	47356
880-25189-3	C253	Total/NA	Solid	8015B NM	47356
880-25189-4	C254	Total/NA	Solid	8015B NM	47356
880-25189-5	C257	Total/NA	Solid	8015B NM	47356
MB 880-47356/1-A	Method Blank	Total/NA	Solid	8015B NM	47356
LCS 880-47356/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47356
LCSD 880-47356/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47356

Analysis Batch: 47620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-1	SW14	Total/NA	Solid	8015 NM	
880-25189-2	C252	Total/NA	Solid	8015 NM	
880-25189-3	C253	Total/NA	Solid	8015 NM	
880-25189-4	C254	Total/NA	Solid	8015 NM	
880-25189-5	C257	Total/NA	Solid	8015 NM	
880-25189-6	C99	Total/NA	Solid	8015 NM	
880-25189-7	C204	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-1	SW14	Soluble	Solid	DI Leach	
880-25189-2	C252	Soluble	Solid	DI Leach	
880-25189-3	C253	Soluble	Solid	DI Leach	
880-25189-4	C254	Soluble	Solid	DI Leach	
880-25189-5	C257	Soluble	Solid	DI Leach	
880-25189-6	C99	Soluble	Solid	DI Leach	
880-25189-7	C204	Soluble	Solid	DI Leach	
MB 880-47619/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47619/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47619/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 47720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-1	SW14	Soluble	Solid	300.0	47619

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

HPLC/IC (Continued)

Analysis Batch: 47720 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25189-2	C252	Soluble	Solid	300.0	47619
880-25189-3	C253	Soluble	Solid	300.0	47619
880-25189-4	C254	Soluble	Solid	300.0	47619
880-25189-5	C257	Soluble	Solid	300.0	47619
880-25189-6	C99	Soluble	Solid	300.0	47619
880-25189-7	C204	Soluble	Solid	300.0	47619
MB 880-47619/1-A	Method Blank	Soluble	Solid	300.0	47619
LCS 880-47619/2-A	Lab Control Sample	Soluble	Solid	300.0	47619
LCSD 880-47619/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47619

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Client Sample ID: SW14

Lab Sample ID: 880-25189-1

Date Collected: 02/24/23 08:00

Matrix: Solid

Date Received: 02/27/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48104	03/08/23 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48098	03/08/23 18:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48232	03/09/23 14:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47620	03/03/23 12:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47356	02/27/23 16:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/02/23 17:48	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47619	03/02/23 09:36	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47720	03/03/23 14:02	CH	EET MID

Client Sample ID: C252

Lab Sample ID: 880-25189-2

Date Collected: 02/24/23 08:01

Matrix: Solid

Date Received: 02/27/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48104	03/08/23 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48098	03/08/23 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48232	03/09/23 14:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47620	03/03/23 12:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47356	02/27/23 16:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/02/23 18:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47619	03/02/23 09:36	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47720	03/03/23 14:08	CH	EET MID

Client Sample ID: C253

Lab Sample ID: 880-25189-3

Date Collected: 02/24/23 08:02

Matrix: Solid

Date Received: 02/27/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48104	03/08/23 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48098	03/08/23 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48232	03/09/23 14:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47620	03/03/23 12:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47356	02/27/23 16:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/02/23 18:32	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47619	03/02/23 09:36	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47720	03/03/23 14:14	CH	EET MID

Client Sample ID: C254

Lab Sample ID: 880-25189-4

Date Collected: 02/24/23 08:03

Matrix: Solid

Date Received: 02/27/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	48104	03/08/23 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48098	03/08/23 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48232	03/09/23 14:36	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Client Sample ID: C254

Lab Sample ID: 880-25189-4

Date Collected: 02/24/23 08:03

Matrix: Solid

Date Received: 02/27/23 09:41

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			47620	03/03/23 12:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47356	02/27/23 16:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/02/23 18:54	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47619	03/02/23 09:36	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47720	03/03/23 14:21	CH	EET MID

Client Sample ID: C257

Lab Sample ID: 880-25189-5

Date Collected: 02/24/23 08:04

Matrix: Solid

Date Received: 02/27/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48104	03/08/23 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48098	03/08/23 20:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48232	03/09/23 14:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47620	03/03/23 12:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47356	02/27/23 16:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47599	03/02/23 19:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47619	03/02/23 09:36	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47720	03/03/23 14:27	CH	EET MID

Client Sample ID: C99

Lab Sample ID: 880-25189-6

Date Collected: 02/24/23 10:00

Matrix: Solid

Date Received: 02/27/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48104	03/08/23 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48098	03/08/23 20:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48232	03/09/23 14:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47620	03/02/23 09:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	47472	02/28/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47505	03/01/23 18:09	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47619	03/02/23 09:36	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47720	03/03/23 14:33	CH	EET MID

Client Sample ID: C204

Lab Sample ID: 880-25189-7

Date Collected: 02/24/23 10:01

Matrix: Solid

Date Received: 02/27/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	48104	03/08/23 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48098	03/08/23 20:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48232	03/09/23 14:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47620	03/02/23 09:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47472	02/28/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47505	03/01/23 18:29	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Client Sample ID: C204
Date Collected: 02/24/23 10:01
Date Received: 02/27/23 09:41

Lab Sample ID: 880-25189-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	47619	03/02/23 09:36	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47720	03/03/23 14:39	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

- 1
- 2
- 3
- 4
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- 10
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- 14

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 880-25189-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25189-1	SW14	Solid	02/24/23 08:00	02/27/23 09:41
880-25189-2	C252	Solid	02/24/23 08:01	02/27/23 09:41
880-25189-3	C253	Solid	02/24/23 08:02	02/27/23 09:41
880-25189-4	C254	Solid	02/24/23 08:03	02/27/23 09:41
880-25189-5	C257	Solid	02/24/23 08:04	02/27/23 09:41
880-25189-6	C99	Solid	02/24/23 10:00	02/27/23 09:41
880-25189-7	C204	Solid	02/24/23 10:01	02/27/23 09:41

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Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-25189-1

SDG Number: 22-0107-01

Login Number: 25189

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 3/14/2023 5:28:09 PM

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0107-01

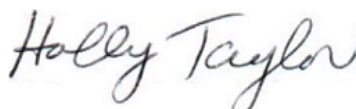
JOB NUMBER

880-25394-1

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
3/14/2023 5:28:09 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Laboratory Job ID: 880-25394-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Job ID: 880-25394-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-25394-1**

Receipt

The samples were received on 3/2/2023 3:49 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 4.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW39 (880-25394-1), SW40 (880-25394-2), SW41 (880-25394-3), SW43 (880-25394-4), SW21 (880-25394-5), C61 (880-25394-6), C64 (880-25394-7), SW37 (880-25394-8), C172 (880-25394-9), C213 (880-25394-10), C218 (880-25394-11) and SW11 (880-25394-12).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-48442 and analytical batch 880-48426 was outside the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47769 and analytical batch 880-47799 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47781 and analytical batch 880-47998 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: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: SW39

Lab Sample ID: 880-25394-1

Date Collected: 02/27/23 14:15

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/08/23 14:10	03/09/23 04:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/08/23 14:10	03/09/23 04:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/08/23 14:10	03/09/23 04:33	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		03/08/23 14:10	03/09/23 04:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/08/23 14:10	03/09/23 04:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/08/23 14:10	03/09/23 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/08/23 14:10	03/09/23 04:33	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	03/08/23 14:10	03/09/23 04:33	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			03/09/23 14:36	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 13:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 13:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	03/03/23 15:51	03/04/23 13:10	1
o-Terphenyl (Surr)	112		70 - 130	03/03/23 15:51	03/04/23 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.5		4.95	mg/Kg			03/07/23 00:08	1

Client Sample ID: SW40

Lab Sample ID: 880-25394-2

Date Collected: 02/27/23 14:30

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/08/23 14:10	03/09/23 04:53	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/08/23 14:10	03/09/23 04:53	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/08/23 14:10	03/09/23 04:53	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		03/08/23 14:10	03/09/23 04:53	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/08/23 14:10	03/09/23 04:53	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/08/23 14:10	03/09/23 04:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/08/23 14:10	03/09/23 04:53	1
1,4-Difluorobenzene (Surr)	75		70 - 130	03/08/23 14:10	03/09/23 04:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: SW40

Lab Sample ID: 880-25394-2

Date Collected: 02/27/23 14:30

Matrix: Solid

Date Received: 03/02/23 15:49

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			03/09/23 14:36	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 13:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 13:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			03/03/23 15:51	03/04/23 13:33	1
o-Terphenyl (Surr)	105		70 - 130			03/03/23 15:51	03/04/23 13:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2210		49.7	mg/Kg			03/07/23 00:14	10

Client Sample ID: SW41

Lab Sample ID: 880-25394-3

Date Collected: 02/27/23 14:31

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/13/23 08:00	03/13/23 12:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/13/23 08:00	03/13/23 12:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/13/23 08:00	03/13/23 12:25	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/13/23 08:00	03/13/23 12:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/13/23 08:00	03/13/23 12:25	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/13/23 08:00	03/13/23 12:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			03/13/23 08:00	03/13/23 12:25	1
1,4-Difluorobenzene (Surr)	94		70 - 130			03/13/23 08:00	03/13/23 12:25	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			03/13/23 17:17	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/03/23 15:51	03/04/23 13:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/03/23 15:51	03/04/23 13:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: SW41

Lab Sample ID: 880-25394-3

Date Collected: 02/27/23 14:31

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/03/23 15:51	03/04/23 13:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			03/03/23 15:51	03/04/23 13:55	1
o-Terphenyl (Surr)	121		70 - 130			03/03/23 15:51	03/04/23 13:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8170	F1	99.8	mg/Kg			03/07/23 00:20	20

Client Sample ID: SW43

Lab Sample ID: 880-25394-4

Date Collected: 02/27/23 14:33

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/13/23 08:00	03/13/23 12:51	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/13/23 08:00	03/13/23 12:51	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/13/23 08:00	03/13/23 12:51	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		03/13/23 08:00	03/13/23 12:51	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/13/23 08:00	03/13/23 12:51	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/13/23 08:00	03/13/23 12:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			03/13/23 08:00	03/13/23 12:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130			03/13/23 08:00	03/13/23 12:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/13/23 17:17	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 14:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 14:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 14:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			03/03/23 15:51	03/04/23 14:17	1
o-Terphenyl (Surr)	112		70 - 130			03/03/23 15:51	03/04/23 14:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.5		5.00	mg/Kg			03/07/23 00:39	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: SW21

Lab Sample ID: 880-25394-5

Date Collected: 02/27/23 12:00

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/13/23 08:00	03/13/23 13:18	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/13/23 08:00	03/13/23 13:18	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/13/23 08:00	03/13/23 13:18	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		03/13/23 08:00	03/13/23 13:18	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/13/23 08:00	03/13/23 13:18	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/13/23 08:00	03/13/23 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/13/23 08:00	03/13/23 13:18	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/13/23 08:00	03/13/23 13:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/13/23 17:17	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/03/23 15:51	03/04/23 14:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/03/23 15:51	03/04/23 14:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/03/23 15:51	03/04/23 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130	03/03/23 15:51	03/04/23 14:38	1
o-Terphenyl (Surr)	130		70 - 130	03/03/23 15:51	03/04/23 14:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2900		99.2	mg/Kg			03/07/23 00:45	20

Client Sample ID: C61

Lab Sample ID: 880-25394-6

Date Collected: 02/28/23 12:00

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/10/23 11:09	03/10/23 19:01	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/10/23 11:09	03/10/23 19:01	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/10/23 11:09	03/10/23 19:01	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		03/10/23 11:09	03/10/23 19:01	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/10/23 11:09	03/10/23 19:01	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/10/23 11:09	03/10/23 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	03/10/23 11:09	03/10/23 19:01	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/10/23 11:09	03/10/23 19:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: C61

Lab Sample ID: 880-25394-6

Date Collected: 02/28/23 12:00

Matrix: Solid

Date Received: 03/02/23 15:49

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			03/13/23 18:25	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 14:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 14:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 14:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			03/03/23 15:51	03/04/23 14:59	1
o-Terphenyl (Surr)	114		70 - 130			03/03/23 15:51	03/04/23 14:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1430		50.1	mg/Kg			03/07/23 01:03	10

Client Sample ID: C64

Lab Sample ID: 880-25394-7

Date Collected: 02/28/23 14:00

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/10/23 11:09	03/10/23 19:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 19:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 19:21	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		03/10/23 11:09	03/10/23 19:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 19:21	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/10/23 11:09	03/10/23 19:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			03/10/23 11:09	03/10/23 19:21	1
1,4-Difluorobenzene (Surr)	107		70 - 130			03/10/23 11:09	03/10/23 19:21	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			03/13/23 18:25	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 15:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 15:21	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: C64

Lab Sample ID: 880-25394-7

Date Collected: 02/28/23 14:00

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/03/23 15:51	03/04/23 15:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			03/03/23 15:51	03/04/23 15:21	1
o-Terphenyl (Surr)	119		70 - 130			03/03/23 15:51	03/04/23 15:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		50.4	mg/Kg			03/07/23 01:09	10

Client Sample ID: SW37

Lab Sample ID: 880-25394-8

Date Collected: 02/28/23 15:15

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/10/23 11:09	03/10/23 19:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/10/23 11:09	03/10/23 19:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/10/23 11:09	03/10/23 19:42	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/10/23 11:09	03/10/23 19:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/10/23 11:09	03/10/23 19:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/10/23 11:09	03/10/23 19:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			03/10/23 11:09	03/10/23 19:42	1
1,4-Difluorobenzene (Surr)	104		70 - 130			03/10/23 11:09	03/10/23 19:42	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			03/13/23 18:25	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 15:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 15:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 15:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			03/03/23 15:51	03/04/23 15:42	1
o-Terphenyl (Surr)	127		70 - 130			03/03/23 15:51	03/04/23 15:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		4.97	mg/Kg			03/07/23 01:15	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: C172

Lab Sample ID: 880-25394-9

Date Collected: 02/28/23 16:00

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/10/23 11:09	03/10/23 20:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/10/23 11:09	03/10/23 20:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/10/23 11:09	03/10/23 20:02	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/10/23 11:09	03/10/23 20:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/10/23 11:09	03/10/23 20:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/10/23 11:09	03/10/23 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	03/10/23 11:09	03/10/23 20:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/10/23 11:09	03/10/23 20:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/13/23 18:25	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/03/23 15:51	03/04/23 16:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/03/23 15:51	03/04/23 16:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/03/23 15:51	03/04/23 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	03/03/23 15:51	03/04/23 16:25	1
o-Terphenyl (Surr)	110		70 - 130	03/03/23 15:51	03/04/23 16:25	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			03/07/23 01:22	1

Client Sample ID: C213

Lab Sample ID: 880-25394-10

Date Collected: 03/01/23 14:30

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/10/23 12:35	03/14/23 14:34	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/10/23 12:35	03/14/23 14:34	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/10/23 12:35	03/14/23 14:34	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		03/10/23 12:35	03/14/23 14:34	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/10/23 12:35	03/14/23 14:34	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/10/23 12:35	03/14/23 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	03/10/23 12:35	03/14/23 14:34	1
1,4-Difluorobenzene (Surr)	117		70 - 130	03/10/23 12:35	03/14/23 14:34	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: C213

Lab Sample ID: 880-25394-10

Date Collected: 03/01/23 14:30

Matrix: Solid

Date Received: 03/02/23 15:49

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/14/23 15:30	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 16:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 16:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 16:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			03/03/23 15:51	03/04/23 16:46	1
o-Terphenyl (Surr)	112		70 - 130			03/03/23 15:51	03/04/23 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.6		4.98	mg/Kg			03/07/23 01:28	1

Client Sample ID: C218

Lab Sample ID: 880-25394-11

Date Collected: 03/01/23 14:45

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/10/23 12:35	03/14/23 16:03	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/10/23 12:35	03/14/23 16:03	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/10/23 12:35	03/14/23 16:03	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		03/10/23 12:35	03/14/23 16:03	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/10/23 12:35	03/14/23 16:03	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/10/23 12:35	03/14/23 16:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			03/10/23 12:35	03/14/23 16:03	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/10/23 12:35	03/14/23 16:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/14/23 18:21	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 17:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 17:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: C218

Lab Sample ID: 880-25394-11

Date Collected: 03/01/23 14:45

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/03/23 15:51	03/04/23 17:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			03/03/23 15:51	03/04/23 17:08	1
o-Terphenyl (Surr)	115		70 - 130			03/03/23 15:51	03/04/23 17:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.7		4.99	mg/Kg			03/07/23 01:34	1

Client Sample ID: SW11

Lab Sample ID: 880-25394-12

Date Collected: 03/01/23 12:00

Matrix: Solid

Date Received: 03/02/23 15:49

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		03/10/23 12:35	03/14/23 16:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/10/23 12:35	03/14/23 16:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/10/23 12:35	03/14/23 16:24	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/10/23 12:35	03/14/23 16:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/10/23 12:35	03/14/23 16:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/10/23 12:35	03/14/23 16:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130			03/10/23 12:35	03/14/23 16:24	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130			03/10/23 12:35	03/14/23 16:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/14/23 18:21	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			03/06/23 13:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 17:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 17:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/03/23 15:51	03/04/23 17:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			03/03/23 15:51	03/04/23 17:29	1
o-Terphenyl (Surr)	112		70 - 130			03/03/23 15:51	03/04/23 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	236		5.00	mg/Kg			03/07/23 01:40	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

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)
880-25394-1	SW39	97	66 S1-
880-25394-2	SW40	100	75
880-25394-3	SW41	97	94
880-25394-3 MS	SW41	91	108
880-25394-3 MSD	SW41	97	103
880-25394-4	SW43	93	97
880-25394-5	SW21	104	102
880-25394-6	C61	124	102
880-25394-7	C64	128	107
880-25394-8	SW37	120	104
880-25394-9	C172	122	105
880-25394-10	C213	116	117
880-25394-11	C218	129	103
880-25394-12	SW11	56 S1-	60 S1-
LCS 880-48130/1-A	Lab Control Sample	99	90
LCS 880-48309/1-A	Lab Control Sample	117	111
LCS 880-48320/1-A	Lab Control Sample	97	97
LCS 880-48442/1-A	Lab Control Sample	90	108
LCSD 880-48130/2-A	Lab Control Sample Dup	98	91
LCSD 880-48309/2-A	Lab Control Sample Dup	116	114
LCSD 880-48320/2-A	Lab Control Sample Dup	94	105
LCSD 880-48442/2-A	Lab Control Sample Dup	92	105
MB 880-48104/5-A	Method Blank	87	90
MB 880-48130/5-A	Method Blank	94	84
MB 880-48309/5-A	Method Blank	103	100
MB 880-48320/5-A	Method Blank	83	90
MB 880-48442/5-A	Method Blank	59 S1-	91
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-25394-1	SW39	107	112
880-25394-2	SW40	94	105
880-25394-3	SW41	114	121
880-25394-4	SW43	100	112
880-25394-5	SW21	117	130
880-25394-6	C61	101	114
880-25394-7	C64	106	119
880-25394-8	SW37	117	127
880-25394-9	C172	100	110
880-25394-10	C213	101	112
880-25394-11	C218	103	115
880-25394-12	SW11	102	112

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

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 880-47769/2-A	Lab Control Sample	79	84
LCSD 880-47769/3-A	Lab Control Sample Dup	82	87
MB 880-47769/1-A	Method Blank	125	141 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48104/5-A

Matrix: Solid

Analysis Batch: 48098

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48104

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 12:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 12:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 12:14	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/08/23 09:47	03/08/23 12:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/08/23 09:47	03/08/23 12:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/08/23 09:47	03/08/23 12:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	03/08/23 09:47	03/08/23 12:14	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/08/23 09:47	03/08/23 12:14	1

Lab Sample ID: MB 880-48130/5-A

Matrix: Solid

Analysis Batch: 48098

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48130

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/08/23 14:10	03/08/23 23:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/08/23 14:10	03/08/23 23:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/08/23 14:10	03/08/23 23:41	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/08/23 14:10	03/08/23 23:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/08/23 14:10	03/08/23 23:41	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/08/23 14:10	03/08/23 23:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	03/08/23 14:10	03/08/23 23:41	1
1,4-Difluorobenzene (Surr)	84		70 - 130	03/08/23 14:10	03/08/23 23:41	1

Lab Sample ID: LCS 880-48130/1-A

Matrix: Solid

Analysis Batch: 48098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08491		mg/Kg		85	70 - 130
Toluene	0.100	0.08667		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08744		mg/Kg		87	70 - 130
m,p-Xylenes	0.200	0.1787		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09119		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-48130/2-A

Matrix: Solid

Analysis Batch: 48098

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48130

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08948		mg/Kg		89	70 - 130	5	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-48130/2-A

Matrix: Solid

Analysis Batch: 48098

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48130

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08899		mg/Kg		89	70 - 130	3	35
Ethylbenzene	0.100	0.08695		mg/Kg		87	70 - 130	1	35
m,p-Xylenes	0.200	0.1757		mg/Kg		88	70 - 130	2	35
o-Xylene	0.100	0.08917		mg/Kg		89	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-48309/5-A

Matrix: Solid

Analysis Batch: 48323

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48309

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/10/23 11:09	03/10/23 17:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/10/23 11:09	03/10/23 17:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/10/23 11:09	03/10/23 17:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/10/23 11:09	03/10/23 17:11	1

Lab Sample ID: LCS 880-48309/1-A

Matrix: Solid

Analysis Batch: 48323

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1064		mg/Kg		106	70 - 130
Toluene	0.100	0.1009		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1043		mg/Kg		104	70 - 130
m,p-Xylenes	0.200	0.2219		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-48309/2-A

Matrix: Solid

Analysis Batch: 48323

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48309

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1087		mg/Kg		109	70 - 130	2	35
Toluene	0.100	0.1023		mg/Kg		102	70 - 130	1	35
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130	0	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-48309/2-A

Matrix: Solid

Analysis Batch: 48323

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48309

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	0.200	0.2209		mg/Kg		110	70 - 130	0	35
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: MB 880-48320/5-A

Matrix: Solid

Analysis Batch: 48570

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48320

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/10/23 12:35	03/14/23 11:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/10/23 12:35	03/14/23 11:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/10/23 12:35	03/14/23 11:43	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/10/23 12:35	03/14/23 11:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/10/23 12:35	03/14/23 11:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/10/23 12:35	03/14/23 11:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	03/10/23 12:35	03/14/23 11:43	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/10/23 12:35	03/14/23 11:43	1

Lab Sample ID: LCS 880-48320/1-A

Matrix: Solid

Analysis Batch: 48570

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09096		mg/Kg		91	70 - 130
Toluene	0.100	0.08633		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08686		mg/Kg		87	70 - 130
m,p-Xylenes	0.200	0.1794		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09083		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-48320/2-A

Matrix: Solid

Analysis Batch: 48570

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48320

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09452		mg/Kg		95	70 - 130	4	35
Toluene	0.100	0.08623		mg/Kg		86	70 - 130	0	35
Ethylbenzene	0.100	0.08454		mg/Kg		85	70 - 130	3	35
m,p-Xylenes	0.200	0.1705		mg/Kg		85	70 - 130	5	35
o-Xylene	0.100	0.08598		mg/Kg		86	70 - 130	5	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-48442/5-A

Matrix: Solid

Analysis Batch: 48426

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48442

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/13/23 08:00	03/13/23 11:59	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/13/23 08:00	03/13/23 11:59	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/13/23 08:00	03/13/23 11:59	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/13/23 08:00	03/13/23 11:59	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/13/23 08:00	03/13/23 11:59	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/13/23 08:00	03/13/23 11:59	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130	03/13/23 08:00	03/13/23 11:59	1			
1,4-Difluorobenzene (Surr)	91		70 - 130	03/13/23 08:00	03/13/23 11:59	1			

Lab Sample ID: LCS 880-48442/1-A

Matrix: Solid

Analysis Batch: 48426

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48442

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.1007		mg/Kg		101	70 - 130		
Toluene	0.100	0.08959		mg/Kg		90	70 - 130		
Ethylbenzene	0.100	0.09671		mg/Kg		97	70 - 130		
m,p-Xylenes	0.200	0.2023		mg/Kg		101	70 - 130		
o-Xylene	0.100	0.09558		mg/Kg		96	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-48442/2-A

Matrix: Solid

Analysis Batch: 48426

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48442

	Spike	LCSD	LCSD					%Rec	RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1032		mg/Kg		103	70 - 130	2	35	
Toluene	0.100	0.08730		mg/Kg		87	70 - 130	3	35	
Ethylbenzene	0.100	0.09347		mg/Kg		93	70 - 130	3	35	
m,p-Xylenes	0.200	0.1962		mg/Kg		98	70 - 130	3	35	
o-Xylene	0.100	0.09363		mg/Kg		94	70 - 130	2	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25394-3 MS

Matrix: Solid

Analysis Batch: 48426

Client Sample ID: SW41

Prep Type: Total/NA

Prep Batch: 48442

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1049		mg/Kg		105	70 - 130
Toluene	<0.00200	U	0.100	0.09636		mg/Kg		96	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130
m,p-Xylenes	<0.00400	U	0.201	0.2196		mg/Kg		108	70 - 130
o-Xylene	<0.00200	U	0.100	0.1024		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-25394-3 MSD

Matrix: Solid

Analysis Batch: 48426

Client Sample ID: SW41

Prep Type: Total/NA

Prep Batch: 48442

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.1009		mg/Kg		101	70 - 130	4	35
Toluene	<0.00200	U	0.0996	0.09566		mg/Kg		96	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0996	0.1025		mg/Kg		103	70 - 130	3	35
m,p-Xylenes	<0.00400	U	0.199	0.2150		mg/Kg		107	70 - 130	2	35
o-Xylene	<0.00200	U	0.0996	0.1025		mg/Kg		103	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-47769/1-A

Matrix: Solid

Analysis Batch: 47799

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47769

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		03/03/23 15:51	03/04/23 09:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/03/23 15:51	03/04/23 09:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/03/23 15:51	03/04/23 09:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	03/03/23 15:51	03/04/23 09:09	1
o-Terphenyl (Surr)	141	S1+	70 - 130	03/03/23 15:51	03/04/23 09:09	1

Lab Sample ID: LCS 880-47769/2-A

Matrix: Solid

Analysis Batch: 47799

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	982.4		mg/Kg		98	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-47769/2-A

Matrix: Solid

Analysis Batch: 47799

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47769

Analyte			Spike	LCS	LCS					
			Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits
Diesel Range Organics (Over C10-C28)			1000	983.3		mg/Kg		98	70 - 130	
Surrogate	LCS	LCS								
	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	79		70 - 130							
o-Terphenyl (Surr)	84		70 - 130							

Lab Sample ID: LCSD 880-47769/3-A

Matrix: Solid

Analysis Batch: 47799

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47769

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	RPD	RPD
			Added	Result	Qualifier			Limits		Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1023		mg/Kg		102	4	20
Diesel Range Organics (Over C10-C28)			1000	1031		mg/Kg		103	5	20
Surrogate	LCSD	LCSD	Limits							
	%Recovery	Qualifier								
1-Chlorooctane (Surr)	82		70 - 130							
o-Terphenyl (Surr)	87		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47781/1-A

Matrix: Solid

Analysis Batch: 47998

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 22:35	1

Lab Sample ID: LCS 880-47781/2-A

Matrix: Solid

Analysis Batch: 47998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.1		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-47781/3-A

Matrix: Solid

Analysis Batch: 47998

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	245.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-25394-3 MS

Matrix: Solid

Analysis Batch: 47998

Client Sample ID: SW41

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8170	F1	4990	14400	F1	mg/Kg		125	90 - 110

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-25394-3 MSD							Client Sample ID: SW41					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 47998												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	8170	F1	4990	14390	F1	mg/Kg		125	90 - 110	0	20	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

GC VOA

Analysis Batch: 48098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-1	SW39	Total/NA	Solid	8021B	48130
880-25394-2	SW40	Total/NA	Solid	8021B	48130
MB 880-48104/5-A	Method Blank	Total/NA	Solid	8021B	48104
MB 880-48130/5-A	Method Blank	Total/NA	Solid	8021B	48130
LCS 880-48130/1-A	Lab Control Sample	Total/NA	Solid	8021B	48130
LCSD 880-48130/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48130

Prep Batch: 48104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48104/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 48130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-1	SW39	Total/NA	Solid	5035	
880-25394-2	SW40	Total/NA	Solid	5035	
MB 880-48130/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48130/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48130/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 48237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-1	SW39	Total/NA	Solid	Total BTEX	
880-25394-2	SW40	Total/NA	Solid	Total BTEX	
880-25394-3	SW41	Total/NA	Solid	Total BTEX	
880-25394-4	SW43	Total/NA	Solid	Total BTEX	
880-25394-5	SW21	Total/NA	Solid	Total BTEX	
880-25394-6	C61	Total/NA	Solid	Total BTEX	
880-25394-7	C64	Total/NA	Solid	Total BTEX	
880-25394-8	SW37	Total/NA	Solid	Total BTEX	
880-25394-9	C172	Total/NA	Solid	Total BTEX	
880-25394-10	C213	Total/NA	Solid	Total BTEX	
880-25394-11	C218	Total/NA	Solid	Total BTEX	
880-25394-12	SW11	Total/NA	Solid	Total BTEX	

Prep Batch: 48309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-6	C61	Total/NA	Solid	5035	
880-25394-7	C64	Total/NA	Solid	5035	
880-25394-8	SW37	Total/NA	Solid	5035	
880-25394-9	C172	Total/NA	Solid	5035	
MB 880-48309/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48309/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48309/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 48320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-10	C213	Total/NA	Solid	5035	
880-25394-11	C218	Total/NA	Solid	5035	
880-25394-12	SW11	Total/NA	Solid	5035	
MB 880-48320/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48320/1-A	Lab Control Sample	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

GC VOA (Continued)

Prep Batch: 48320 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-48320/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 48323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-6	C61	Total/NA	Solid	8021B	48309
880-25394-7	C64	Total/NA	Solid	8021B	48309
880-25394-8	SW37	Total/NA	Solid	8021B	48309
880-25394-9	C172	Total/NA	Solid	8021B	48309
MB 880-48309/5-A	Method Blank	Total/NA	Solid	8021B	48309
LCS 880-48309/1-A	Lab Control Sample	Total/NA	Solid	8021B	48309
LCSD 880-48309/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48309

Analysis Batch: 48426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-3	SW41	Total/NA	Solid	8021B	48442
880-25394-4	SW43	Total/NA	Solid	8021B	48442
880-25394-5	SW21	Total/NA	Solid	8021B	48442
MB 880-48442/5-A	Method Blank	Total/NA	Solid	8021B	48442
LCS 880-48442/1-A	Lab Control Sample	Total/NA	Solid	8021B	48442
LCSD 880-48442/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48442
880-25394-3 MS	SW41	Total/NA	Solid	8021B	48442
880-25394-3 MSD	SW41	Total/NA	Solid	8021B	48442

Prep Batch: 48442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-3	SW41	Total/NA	Solid	5035	
880-25394-4	SW43	Total/NA	Solid	5035	
880-25394-5	SW21	Total/NA	Solid	5035	
MB 880-48442/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48442/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48442/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25394-3 MS	SW41	Total/NA	Solid	5035	
880-25394-3 MSD	SW41	Total/NA	Solid	5035	

Analysis Batch: 48570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-10	C213	Total/NA	Solid	8021B	48320
880-25394-11	C218	Total/NA	Solid	8021B	48320
880-25394-12	SW11	Total/NA	Solid	8021B	48320
MB 880-48320/5-A	Method Blank	Total/NA	Solid	8021B	48320
LCS 880-48320/1-A	Lab Control Sample	Total/NA	Solid	8021B	48320
LCSD 880-48320/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48320

GC Semi VOA

Prep Batch: 47769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-1	SW39	Total/NA	Solid	8015NM Prep	
880-25394-2	SW40	Total/NA	Solid	8015NM Prep	
880-25394-3	SW41	Total/NA	Solid	8015NM Prep	
880-25394-4	SW43	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Prep Batch: 47769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-5	SW21	Total/NA	Solid	8015NM Prep	
880-25394-6	C61	Total/NA	Solid	8015NM Prep	
880-25394-7	C64	Total/NA	Solid	8015NM Prep	
880-25394-8	SW37	Total/NA	Solid	8015NM Prep	
880-25394-9	C172	Total/NA	Solid	8015NM Prep	
880-25394-10	C213	Total/NA	Solid	8015NM Prep	
880-25394-11	C218	Total/NA	Solid	8015NM Prep	
880-25394-12	SW11	Total/NA	Solid	8015NM Prep	
MB 880-47769/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47769/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-1	SW39	Total/NA	Solid	8015B NM	47769
880-25394-2	SW40	Total/NA	Solid	8015B NM	47769
880-25394-3	SW41	Total/NA	Solid	8015B NM	47769
880-25394-4	SW43	Total/NA	Solid	8015B NM	47769
880-25394-5	SW21	Total/NA	Solid	8015B NM	47769
880-25394-6	C61	Total/NA	Solid	8015B NM	47769
880-25394-7	C64	Total/NA	Solid	8015B NM	47769
880-25394-8	SW37	Total/NA	Solid	8015B NM	47769
880-25394-9	C172	Total/NA	Solid	8015B NM	47769
880-25394-10	C213	Total/NA	Solid	8015B NM	47769
880-25394-11	C218	Total/NA	Solid	8015B NM	47769
880-25394-12	SW11	Total/NA	Solid	8015B NM	47769
MB 880-47769/1-A	Method Blank	Total/NA	Solid	8015B NM	47769
LCS 880-47769/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47769
LCSD 880-47769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47769

Analysis Batch: 47935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-1	SW39	Total/NA	Solid	8015 NM	
880-25394-2	SW40	Total/NA	Solid	8015 NM	
880-25394-3	SW41	Total/NA	Solid	8015 NM	
880-25394-4	SW43	Total/NA	Solid	8015 NM	
880-25394-5	SW21	Total/NA	Solid	8015 NM	
880-25394-6	C61	Total/NA	Solid	8015 NM	
880-25394-7	C64	Total/NA	Solid	8015 NM	
880-25394-8	SW37	Total/NA	Solid	8015 NM	
880-25394-9	C172	Total/NA	Solid	8015 NM	
880-25394-10	C213	Total/NA	Solid	8015 NM	
880-25394-11	C218	Total/NA	Solid	8015 NM	
880-25394-12	SW11	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-1	SW39	Soluble	Solid	DI Leach	
880-25394-2	SW40	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

HPLC/IC (Continued)

Leach Batch: 47781 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-3	SW41	Soluble	Solid	DI Leach	
880-25394-4	SW43	Soluble	Solid	DI Leach	
880-25394-5	SW21	Soluble	Solid	DI Leach	
880-25394-6	C61	Soluble	Solid	DI Leach	
880-25394-7	C64	Soluble	Solid	DI Leach	
880-25394-8	SW37	Soluble	Solid	DI Leach	
880-25394-9	C172	Soluble	Solid	DI Leach	
880-25394-10	C213	Soluble	Solid	DI Leach	
880-25394-11	C218	Soluble	Solid	DI Leach	
880-25394-12	SW11	Soluble	Solid	DI Leach	
MB 880-47781/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47781/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47781/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25394-3 MS	SW41	Soluble	Solid	DI Leach	
880-25394-3 MSD	SW41	Soluble	Solid	DI Leach	

Analysis Batch: 47998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25394-1	SW39	Soluble	Solid	300.0	47781
880-25394-2	SW40	Soluble	Solid	300.0	47781
880-25394-3	SW41	Soluble	Solid	300.0	47781
880-25394-4	SW43	Soluble	Solid	300.0	47781
880-25394-5	SW21	Soluble	Solid	300.0	47781
880-25394-6	C61	Soluble	Solid	300.0	47781
880-25394-7	C64	Soluble	Solid	300.0	47781
880-25394-8	SW37	Soluble	Solid	300.0	47781
880-25394-9	C172	Soluble	Solid	300.0	47781
880-25394-10	C213	Soluble	Solid	300.0	47781
880-25394-11	C218	Soluble	Solid	300.0	47781
880-25394-12	SW11	Soluble	Solid	300.0	47781
MB 880-47781/1-A	Method Blank	Soluble	Solid	300.0	47781
LCS 880-47781/2-A	Lab Control Sample	Soluble	Solid	300.0	47781
LCSD 880-47781/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47781
880-25394-3 MS	SW41	Soluble	Solid	300.0	47781
880-25394-3 MSD	SW41	Soluble	Solid	300.0	47781

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: SW39

Lab Sample ID: 880-25394-1

Date Collected: 02/27/23 14:15

Matrix: Solid

Date Received: 03/02/23 15:49

Prep 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	48130	03/08/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48098	03/09/23 04:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/09/23 14:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 13:10	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		1			47998	03/07/23 00:08	CH	EET MID

Client Sample ID: SW40

Lab Sample ID: 880-25394-2

Date Collected: 02/27/23 14:30

Matrix: Solid

Date Received: 03/02/23 15:49

Prep 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	48130	03/08/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48098	03/09/23 04:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/09/23 14:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 13:33	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		10			47998	03/07/23 00:14	CH	EET MID

Client Sample ID: SW41

Lab Sample ID: 880-25394-3

Date Collected: 02/27/23 14:31

Matrix: Solid

Date Received: 03/02/23 15:49

Prep 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	48442	03/13/23 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/13/23 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/13/23 17:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 13:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		20			47998	03/07/23 00:20	CH	EET MID

Client Sample ID: SW43

Lab Sample ID: 880-25394-4

Date Collected: 02/27/23 14:33

Matrix: Solid

Date Received: 03/02/23 15:49

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	48442	03/13/23 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/13/23 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/13/23 17:17	AJ	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: SW43

Lab Sample ID: 880-25394-4

Date Collected: 02/27/23 14:33

Matrix: Solid

Date Received: 03/02/23 15:49

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			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 14:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		1			47998	03/07/23 00:39	CH	EET MID

Client Sample ID: SW21

Lab Sample ID: 880-25394-5

Date Collected: 02/27/23 12:00

Matrix: Solid

Date Received: 03/02/23 15:49

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	48442	03/13/23 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/13/23 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/13/23 17:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 14:38	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		20			47998	03/07/23 00:45	CH	EET MID

Client Sample ID: C61

Lab Sample ID: 880-25394-6

Date Collected: 02/28/23 12:00

Matrix: Solid

Date Received: 03/02/23 15:49

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	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 14:59	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		10			47998	03/07/23 01:03	CH	EET MID

Client Sample ID: C64

Lab Sample ID: 880-25394-7

Date Collected: 02/28/23 14:00

Matrix: Solid

Date Received: 03/02/23 15:49

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	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 15:21	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: C64

Lab Sample ID: 880-25394-7

Date Collected: 02/28/23 14:00

Matrix: Solid

Date Received: 03/02/23 15:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		10			47998	03/07/23 01:09	CH	EET MID

Client Sample ID: SW37

Lab Sample ID: 880-25394-8

Date Collected: 02/28/23 15:15

Matrix: Solid

Date Received: 03/02/23 15:49

Prep 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	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 19:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 15:42	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		1			47998	03/07/23 01:15	CH	EET MID

Client Sample ID: C172

Lab Sample ID: 880-25394-9

Date Collected: 02/28/23 16:00

Matrix: Solid

Date Received: 03/02/23 15:49

Prep 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	48309	03/10/23 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/10/23 20:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/13/23 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 16:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		1			47998	03/07/23 01:22	CH	EET MID

Client Sample ID: C213

Lab Sample ID: 880-25394-10

Date Collected: 03/01/23 14:30

Matrix: Solid

Date Received: 03/02/23 15:49

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	48320	03/10/23 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48570	03/14/23 14:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/14/23 15:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 16:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		1			47998	03/07/23 01:28	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Client Sample ID: C218
Date Collected: 03/01/23 14:45
Date Received: 03/02/23 15:49

Lab Sample ID: 880-25394-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48320	03/10/23 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48570	03/14/23 16:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/14/23 18:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 17:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		1			47998	03/07/23 01:34	CH	EET MID

Client Sample ID: SW11
Date Collected: 03/01/23 12:00
Date Received: 03/02/23 15:49

Lab Sample ID: 880-25394-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48320	03/10/23 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48570	03/14/23 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48237	03/14/23 18:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47935	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 17:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47781	03/03/23 16:09	CH	EET MID
Soluble	Analysis	300.0		1			47998	03/07/23 01:40	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: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

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
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- 7
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- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 880-25394-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25394-1	SW39	Solid	02/27/23 14:15	03/02/23 15:49
880-25394-2	SW40	Solid	02/27/23 14:30	03/02/23 15:49
880-25394-3	SW41	Solid	02/27/23 14:31	03/02/23 15:49
880-25394-4	SW43	Solid	02/27/23 14:33	03/02/23 15:49
880-25394-5	SW21	Solid	02/27/23 12:00	03/02/23 15:49
880-25394-6	C61	Solid	02/28/23 12:00	03/02/23 15:49
880-25394-7	C64	Solid	02/28/23 14:00	03/02/23 15:49
880-25394-8	SW37	Solid	02/28/23 15:15	03/02/23 15:49
880-25394-9	C172	Solid	02/28/23 16:00	03/02/23 15:49
880-25394-10	C213	Solid	03/01/23 14:30	03/02/23 15:49
880-25394-11	C218	Solid	03/01/23 14:45	03/02/23 15:49
880-25394-12	SW11	Solid	03/01/23 12:00	03/02/23 15:49

25394

No. 2542

CHAIN-OF-CUSTODY

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-25394-1

SDG Number: 22-0107-01

Login Number: 25394

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 3/20/2023 12:59:11 PM

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0107-01

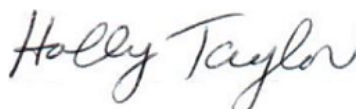
JOB NUMBER

880-25618-1

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: Hayhurst Pond 2

Laboratory Job ID: 880-25618-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
⌘	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Job ID: 880-25618-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25618-1

Receipt

The samples were received on 3/8/2023 9:44 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C126 (880-25618-1), C129 (880-25618-2), C130 (880-25618-3), C128 (880-25618-4), SW42 (880-25618-5), C258 (880-25618-6) and C259 (880-25618-7).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-48641 recovered above the upper control limit for m,p-Xylenes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-48641/8). 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 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-48262 and analytical batch 880-48410 was outside the upper control limits.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: SW42 (880-25618-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The method blank for preparation batch 880-48262 and analytical batch 880-48410 contained Gasoline Range Organics (GRO)-C6-C10 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.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48301 and 880-48301 and analytical batch 880-48400 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: C126 (880-25618-1), C129 (880-25618-2), C130 (880-25618-3), C128 (880-25618-4), SW42 (880-25618-5), C258 (880-25618-6), C259 (880-25618-7), (880-25618-A-2-D MS) and (880-25618-A-2-E MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Client Sample ID: C126

Lab Sample ID: 880-25618-1

Date Collected: 03/06/23 10:45

Matrix: Solid

Date Received: 03/08/23 09:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 09:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 09:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 09:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/16/23 09:16	03/17/23 09:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 09:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/16/23 09:16	03/17/23 09:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	03/16/23 09:16	03/17/23 09:09	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/16/23 09:16	03/17/23 09:09	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 10:29	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 17:14	1

Method: 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		03/09/23 17:23	03/12/23 22:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/09/23 17:23	03/12/23 22:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/09/23 17:23	03/12/23 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	03/09/23 17:23	03/12/23 22:13	1
o-Terphenyl (Surr)	102		70 - 130	03/09/23 17:23	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	399		24.8	mg/Kg			03/12/23 04:43	5

Client Sample ID: C129

Lab Sample ID: 880-25618-2

Date Collected: 03/06/23 11:15

Matrix: Solid

Date Received: 03/08/23 09:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 09:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 09:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 09:36	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		03/16/23 09:16	03/17/23 09:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 09:36	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/16/23 09:16	03/17/23 09:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/16/23 09:16	03/17/23 09:36	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/16/23 09:16	03/17/23 09:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Client Sample ID: C129

Lab Sample ID: 880-25618-2

Date Collected: 03/06/23 11:15

Matrix: Solid

Date Received: 03/08/23 09:44

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			03/19/23 17:28	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 17:14	1

Method: 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		03/09/23 17:23	03/12/23 23:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/09/23 17:23	03/12/23 23:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/09/23 17:23	03/12/23 23:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130			03/09/23 17:23	03/12/23 23:21	1
o-Terphenyl (Surr)	82		70 - 130			03/09/23 17:23	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	133	F1	5.02	mg/Kg			03/12/23 04:48	1

Client Sample ID: C130

Lab Sample ID: 880-25618-3

Date Collected: 03/06/23 11:30

Matrix: Solid

Date Received: 03/08/23 09:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 10:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 10:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 10:03	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		03/16/23 09:16	03/17/23 10:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 10:03	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/16/23 09:16	03/17/23 10:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			03/16/23 09:16	03/17/23 10:03	1
1,4-Difluorobenzene (Surr)	86		70 - 130			03/16/23 09:16	03/17/23 10:03	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			03/19/23 17:28	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 17:14	1

Method: 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		03/09/23 17:23	03/12/23 23:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/09/23 17:23	03/12/23 23:43	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Client Sample ID: C130

Lab Sample ID: 880-25618-3

Date Collected: 03/06/23 11:30

Matrix: Solid

Date Received: 03/08/23 09:44

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/09/23 17:23	03/12/23 23:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130			03/09/23 17:23	03/12/23 23:43	1
o-Terphenyl (Surr)	88		70 - 130			03/09/23 17:23	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	146		25.0	mg/Kg			03/12/23 05:03	5

Client Sample ID: C128

Lab Sample ID: 880-25618-4

Date Collected: 03/06/23 11:00

Matrix: Solid

Date Received: 03/08/23 09:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 10:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 10:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 10:30	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/16/23 09:16	03/17/23 10:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 10:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/16/23 09:16	03/17/23 10:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			03/16/23 09:16	03/17/23 10:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130			03/16/23 09:16	03/17/23 10:30	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			03/19/23 17:28	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 17:14	1

Method: 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		03/09/23 17:23	03/13/23 00:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/09/23 17:23	03/13/23 00:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/09/23 17:23	03/13/23 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130			03/09/23 17:23	03/13/23 00:04	1
o-Terphenyl (Surr)	88		70 - 130			03/09/23 17:23	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	400		24.9	mg/Kg			03/12/23 05:07	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Client Sample ID: SW42

Lab Sample ID: 880-25618-5

Date Collected: 03/06/23 13:00

Matrix: Solid

Date Received: 03/08/23 09:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 10:57	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 10:57	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 10:57	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/16/23 09:16	03/17/23 10:57	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/16/23 09:16	03/17/23 10:57	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/16/23 09:16	03/17/23 10:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	03/16/23 09:16	03/17/23 10:57	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/16/23 09:16	03/17/23 10:57	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			03/19/23 17:28	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 17:14	1

Method: 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		03/09/23 17:23	03/13/23 00:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/09/23 17:23	03/13/23 00:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/09/23 17:23	03/13/23 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	171	S1+	70 - 130	03/09/23 17:23	03/13/23 00:25	1
o-Terphenyl (Surr)	178	S1+	70 - 130	03/09/23 17:23	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	145		5.02	mg/Kg			03/12/23 05:22	1

Client Sample ID: C258

Lab Sample ID: 880-25618-6

Date Collected: 03/06/23 13:30

Matrix: Solid

Date Received: 03/08/23 09:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/16/23 09:16	03/17/23 11:24	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/16/23 09:16	03/17/23 11:24	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/16/23 09:16	03/17/23 11:24	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		03/16/23 09:16	03/17/23 11:24	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/16/23 09:16	03/17/23 11:24	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/16/23 09:16	03/17/23 11:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/16/23 09:16	03/17/23 11:24	1
1,4-Difluorobenzene (Surr)	82		70 - 130	03/16/23 09:16	03/17/23 11:24	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Client Sample ID: C258

Lab Sample ID: 880-25618-6

Date Collected: 03/06/23 13:30

Matrix: Solid

Date Received: 03/08/23 09:44

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/19/23 17:28	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 17:14	1

Method: 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		03/09/23 17:23	03/13/23 00:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/09/23 17:23	03/13/23 00:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/09/23 17:23	03/13/23 00:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			03/09/23 17:23	03/13/23 00:47	1
o-Terphenyl (Surr)	100		70 - 130			03/09/23 17:23	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	186		5.05	mg/Kg			03/12/23 05:27	1

Client Sample ID: C259

Lab Sample ID: 880-25618-7

Date Collected: 03/06/23 14:30

Matrix: Solid

Date Received: 03/08/23 09:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/16/23 09:16	03/17/23 11:52	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/16/23 09:16	03/17/23 11:52	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/16/23 09:16	03/17/23 11:52	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		03/16/23 09:16	03/17/23 11:52	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/16/23 09:16	03/17/23 11:52	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/16/23 09:16	03/17/23 11:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			03/16/23 09:16	03/17/23 11:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130			03/16/23 09:16	03/17/23 11:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/19/23 17:28	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 17:14	1

Method: 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		03/09/23 17:23	03/13/23 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/09/23 17:23	03/13/23 01:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Client Sample ID: C259

Lab Sample ID: 880-25618-7

Date Collected: 03/06/23 14:30

Matrix: Solid

Date Received: 03/08/23 09:44

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	-	03/09/23 17:23	03/13/23 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	03/09/23 17:23	03/13/23 01:08	1
o-Terphenyl (Surr)	97		70 - 130	03/09/23 17:23	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	277		4.99	mg/Kg	-		03/12/23 05:32	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

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)
880-25618-1	C126	125	89
880-25618-2	C129	118	87
880-25618-3	C130	119	86
880-25618-4	C128	112	91
880-25618-5	SW42	116	91
880-25618-6	C258	114	82
880-25618-7	C259	113	94
LCS 880-48716/1-A	Lab Control Sample	106	88
LCSD 880-48716/2-A	Lab Control Sample Dup	107	90
MB 880-48641/8	Method Blank	67 S1-	87
MB 880-48716/5-A	Method Blank	69 S1-	86

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)
880-25618-1	C126	101	102
880-25618-1 MS	C126	100	85
880-25618-1 MSD	C126	85	83
880-25618-2	C129	77	82
880-25618-3	C130	84	88
880-25618-4	C128	84	88
880-25618-5	SW42	171 S1+	178 S1+
880-25618-6	C258	97	100
880-25618-7	C259	94	97
LCS 880-48262/2-A	Lab Control Sample	89	82
LCSD 880-48262/3-A	Lab Control Sample Dup	101	94
MB 880-48262/1-A	Method Blank	137 S1+	144 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48641/8

Matrix: Solid

Analysis Batch: 48641

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			03/16/23 11:44	1
Toluene	<0.00200	U	0.00200	mg/Kg			03/16/23 11:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			03/16/23 11:44	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg			03/16/23 11:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			03/16/23 11:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			03/16/23 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130		03/16/23 11:44	1
1,4-Difluorobenzene (Surr)	87		70 - 130		03/16/23 11:44	1

Lab Sample ID: MB 880-48716/5-A

Matrix: Solid

Analysis Batch: 48641

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48716

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 01:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 01:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 01:28	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/16/23 09:16	03/17/23 01:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/16/23 09:16	03/17/23 01:28	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/16/23 09:16	03/17/23 01:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	03/16/23 09:16	03/17/23 01:28	1
1,4-Difluorobenzene (Surr)	86		70 - 130	03/16/23 09:16	03/17/23 01:28	1

Lab Sample ID: LCS 880-48716/1-A

Matrix: Solid

Analysis Batch: 48641

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08012		mg/Kg		80	70 - 130
Toluene	0.100	0.07446		mg/Kg		74	70 - 130
Ethylbenzene	0.100	0.08024		mg/Kg		80	70 - 130
m,p-Xylenes	0.200	0.1671		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08208		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-48716/2-A

Matrix: Solid

Analysis Batch: 48641

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48716

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09463		mg/Kg		95	70 - 130	17	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-48716/2-A

Matrix: Solid

Analysis Batch: 48641

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48716

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08578		mg/Kg		86	70 - 130	14	35
Ethylbenzene	0.100	0.09359		mg/Kg		94	70 - 130	15	35
m,p-Xylenes	0.200	0.1960		mg/Kg		98	70 - 130	16	35
o-Xylene	0.100	0.09738		mg/Kg		97	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48262/1-A

Matrix: Solid

Analysis Batch: 48410

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48262

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		03/09/23 17:23	03/12/23 21:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/09/23 17:23	03/12/23 21:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/09/23 17:23	03/12/23 21:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	137	S1+	70 - 130	03/09/23 17:23	03/12/23 21:09	1
o-Terphenyl (Surr)	144	S1+	70 - 130	03/09/23 17:23	03/12/23 21:09	1

Lab Sample ID: LCS 880-48262/2-A

Matrix: Solid

Analysis Batch: 48410

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	970.1		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1107		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	89		70 - 130
o-Terphenyl (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-48262/3-A

Matrix: Solid

Analysis Batch: 48410

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48262

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	963.0		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130	4	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-48262/3-A

Matrix: Solid

Analysis Batch: 48410

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48262

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Lab Sample ID: 880-25618-1 MS

Matrix: Solid

Analysis Batch: 48410

Client Sample ID: C126

Prep Type: Total/NA

Prep Batch: 48262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	726.1		mg/Kg		70	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	783.3		mg/Kg		78	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	100		70 - 130						
o-Terphenyl (Surr)	85		70 - 130						

Lab Sample ID: 880-25618-1 MSD

Matrix: Solid

Analysis Batch: 48410

Client Sample ID: C126

Prep Type: Total/NA

Prep Batch: 48262

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	770.5		mg/Kg		74	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	764.6		mg/Kg		77	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	85		70 - 130								
o-Terphenyl (Surr)	83		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48301/1-A

Matrix: Solid

Analysis Batch: 48400

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			03/12/23 03:26	1

Lab Sample ID: LCS 880-48301/2-A

Matrix: Solid

Analysis Batch: 48400

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	270.8		mg/Kg		108	90 - 110

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-48301/3-A
Matrix: Solid
Analysis Batch: 48400

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	271.6		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-25618-2 MS
Matrix: Solid
Analysis Batch: 48400

Client Sample ID: C129
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	133	F1	251	444.6	F1	mg/Kg		124	90 - 110		

Lab Sample ID: 880-25618-2 MSD
Matrix: Solid
Analysis Batch: 48400

Client Sample ID: C129
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	133	F1	251	445.4	F1	mg/Kg		124	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

GC VOA

Analysis Batch: 48641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25618-1	C126	Total/NA	Solid	8021B	48716
880-25618-2	C129	Total/NA	Solid	8021B	48716
880-25618-3	C130	Total/NA	Solid	8021B	48716
880-25618-4	C128	Total/NA	Solid	8021B	48716
880-25618-5	SW42	Total/NA	Solid	8021B	48716
880-25618-6	C258	Total/NA	Solid	8021B	48716
880-25618-7	C259	Total/NA	Solid	8021B	48716
MB 880-48641/8	Method Blank	Total/NA	Solid	8021B	
MB 880-48716/5-A	Method Blank	Total/NA	Solid	8021B	48716
LCS 880-48716/1-A	Lab Control Sample	Total/NA	Solid	8021B	48716
LCSD 880-48716/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48716

Prep Batch: 48716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25618-1	C126	Total/NA	Solid	5035	
880-25618-2	C129	Total/NA	Solid	5035	
880-25618-3	C130	Total/NA	Solid	5035	
880-25618-4	C128	Total/NA	Solid	5035	
880-25618-5	SW42	Total/NA	Solid	5035	
880-25618-6	C258	Total/NA	Solid	5035	
880-25618-7	C259	Total/NA	Solid	5035	
MB 880-48716/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48716/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48716/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 48825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25618-1	C126	Total/NA	Solid	Total BTEX	
880-25618-2	C129	Total/NA	Solid	Total BTEX	
880-25618-3	C130	Total/NA	Solid	Total BTEX	
880-25618-4	C128	Total/NA	Solid	Total BTEX	
880-25618-5	SW42	Total/NA	Solid	Total BTEX	
880-25618-6	C258	Total/NA	Solid	Total BTEX	
880-25618-7	C259	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 48262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25618-1	C126	Total/NA	Solid	8015NM Prep	
880-25618-2	C129	Total/NA	Solid	8015NM Prep	
880-25618-3	C130	Total/NA	Solid	8015NM Prep	
880-25618-4	C128	Total/NA	Solid	8015NM Prep	
880-25618-5	SW42	Total/NA	Solid	8015NM Prep	
880-25618-6	C258	Total/NA	Solid	8015NM Prep	
880-25618-7	C259	Total/NA	Solid	8015NM Prep	
MB 880-48262/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48262/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25618-1 MS	C126	Total/NA	Solid	8015NM Prep	
880-25618-1 MSD	C126	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

GC Semi VOA

Analysis Batch: 48410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25618-1	C126	Total/NA	Solid	8015B NM	48262
880-25618-2	C129	Total/NA	Solid	8015B NM	48262
880-25618-3	C130	Total/NA	Solid	8015B NM	48262
880-25618-4	C128	Total/NA	Solid	8015B NM	48262
880-25618-5	SW42	Total/NA	Solid	8015B NM	48262
880-25618-6	C258	Total/NA	Solid	8015B NM	48262
880-25618-7	C259	Total/NA	Solid	8015B NM	48262
MB 880-48262/1-A	Method Blank	Total/NA	Solid	8015B NM	48262
LCS 880-48262/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48262
LCSD 880-48262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48262
880-25618-1 MS	C126	Total/NA	Solid	8015B NM	48262
880-25618-1 MSD	C126	Total/NA	Solid	8015B NM	48262

Analysis Batch: 48537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25618-1	C126	Total/NA	Solid	8015 NM	
880-25618-2	C129	Total/NA	Solid	8015 NM	
880-25618-3	C130	Total/NA	Solid	8015 NM	
880-25618-4	C128	Total/NA	Solid	8015 NM	
880-25618-5	SW42	Total/NA	Solid	8015 NM	
880-25618-6	C258	Total/NA	Solid	8015 NM	
880-25618-7	C259	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25618-1	C126	Soluble	Solid	DI Leach	
880-25618-2	C129	Soluble	Solid	DI Leach	
880-25618-3	C130	Soluble	Solid	DI Leach	
880-25618-4	C128	Soluble	Solid	DI Leach	
880-25618-5	SW42	Soluble	Solid	DI Leach	
880-25618-6	C258	Soluble	Solid	DI Leach	
880-25618-7	C259	Soluble	Solid	DI Leach	
MB 880-48301/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48301/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48301/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25618-2 MS	C129	Soluble	Solid	DI Leach	
880-25618-2 MSD	C129	Soluble	Solid	DI Leach	

Analysis Batch: 48400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25618-1	C126	Soluble	Solid	300.0	48301
880-25618-2	C129	Soluble	Solid	300.0	48301
880-25618-3	C130	Soluble	Solid	300.0	48301
880-25618-4	C128	Soluble	Solid	300.0	48301
880-25618-5	SW42	Soluble	Solid	300.0	48301
880-25618-6	C258	Soluble	Solid	300.0	48301
880-25618-7	C259	Soluble	Solid	300.0	48301
MB 880-48301/1-A	Method Blank	Soluble	Solid	300.0	48301
LCS 880-48301/2-A	Lab Control Sample	Soluble	Solid	300.0	48301

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

HPLC/IC (Continued)

Analysis Batch: 48400 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-48301/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48301
880-25618-2 MS	C129	Soluble	Solid	300.0	48301
880-25618-2 MSD	C129	Soluble	Solid	300.0	48301

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Client Sample ID: C126

Lab Sample ID: 880-25618-1

Date Collected: 03/06/23 10:45

Matrix: Solid

Date Received: 03/08/23 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48716	03/16/23 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/17/23 09:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48825	03/17/23 10:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			48537	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 22:13	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48301	03/10/23 10:23	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48400	03/12/23 04:43	SMC	EET MID

Client Sample ID: C129

Lab Sample ID: 880-25618-2

Date Collected: 03/06/23 11:15

Matrix: Solid

Date Received: 03/08/23 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48716	03/16/23 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/17/23 09:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48825	03/19/23 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			48537	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 23:21	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48301	03/10/23 10:23	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48400	03/12/23 04:48	SMC	EET MID

Client Sample ID: C130

Lab Sample ID: 880-25618-3

Date Collected: 03/06/23 11:30

Matrix: Solid

Date Received: 03/08/23 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	48716	03/16/23 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/17/23 10:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48825	03/19/23 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			48537	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/12/23 23:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48301	03/10/23 10:23	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48400	03/12/23 05:03	SMC	EET MID

Client Sample ID: C128

Lab Sample ID: 880-25618-4

Date Collected: 03/06/23 11:00

Matrix: Solid

Date Received: 03/08/23 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48716	03/16/23 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/17/23 10:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48825	03/19/23 17:28	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Client Sample ID: C128**Lab Sample ID: 880-25618-4****Date Collected: 03/06/23 11:00****Matrix: Solid****Date Received: 03/08/23 09:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48537	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 00:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48301	03/10/23 10:23	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48400	03/12/23 05:07	SMC	EET MID

Client Sample ID: SW42**Lab Sample ID: 880-25618-5****Date Collected: 03/06/23 13:00****Matrix: Solid****Date Received: 03/08/23 09:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48716	03/16/23 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/17/23 10:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48825	03/19/23 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			48537	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 00:25	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48301	03/10/23 10:23	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48400	03/12/23 05:22	SMC	EET MID

Client Sample ID: C258**Lab Sample ID: 880-25618-6****Date Collected: 03/06/23 13:30****Matrix: Solid****Date Received: 03/08/23 09:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48716	03/16/23 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/17/23 11:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48825	03/19/23 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			48537	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 00:47	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48301	03/10/23 10:23	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48400	03/12/23 05:27	SMC	EET MID

Client Sample ID: C259**Lab Sample ID: 880-25618-7****Date Collected: 03/06/23 14:30****Matrix: Solid****Date Received: 03/08/23 09:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	48716	03/16/23 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/17/23 11:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48825	03/19/23 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			48537	03/13/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48262	03/09/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48410	03/13/23 01:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Client Sample ID: C259
Date Collected: 03/06/23 14:30
Date Received: 03/08/23 09:44

Lab Sample ID: 880-25618-7
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	48301	03/10/23 10:23	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48400	03/12/23 05:32	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: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

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

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-25618-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25618-1	C126	Solid	03/06/23 10:45	03/08/23 09:44
880-25618-2	C129	Solid	03/06/23 11:15	03/08/23 09:44
880-25618-3	C130	Solid	03/06/23 11:30	03/08/23 09:44
880-25618-4	C128	Solid	03/06/23 11:00	03/08/23 09:44
880-25618-5	SW42	Solid	03/06/23 13:00	03/08/23 09:44
880-25618-6	C258	Solid	03/06/23 13:30	03/08/23 09:44
880-25618-7	C259	Solid	03/06/23 14:30	03/08/23 09:44

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Varson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE 3-6-23 PAGE 1 OF 1
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Hayhurst Pond 2
LAI PROJECT # 22-0107-01 COLLECTOR SH

CHAIN-OF-CUSTODY

25610 No. 2944

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

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESSERVED

ANALYSES

BTXES-MTBE ☐
TRPH 418 1 ☐ TPH 1005 ☐ TPH 1008 ☐
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 ☐ DW 2008 ☐ TCLP ☐
RCL ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
PH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PECTHLORATE ☐
CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

C126
C129
C130
C128
SW42
C258
C259

3-6-23

1045

S

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

3-6-23

1330

S

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X



880-25618 Chain of Custody

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 ☒

RECEIVING TEMP

1 DAY ☐

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

2 DAY ☐

CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED

LABORATORY

OTHER ☐

HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-25618-1

SDG Number: 22-0107-01

Login Number: 25618

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
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 2/14/2023 9:18:56 AM Revision 1

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0107-01

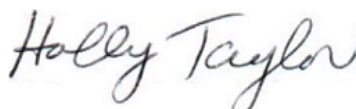
JOB NUMBER

880-24301-1

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 9:18:56 AM
Revision 1

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Laboratory Job ID: 880-24301-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

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, 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.
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: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Job ID: 880-24301-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-24301-1

Revision

The report being provided is a revision of the original report sent on 2/14/2023. The report (revision 1) is being revised to remove sample C119 from the report per Robert Nelson (email).

Receipt

The samples were received on 2/3/2023 3:13 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 0.0° C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C117 (880-24301-1), C126 (880-24301-2), C127 (880-24301-3), C114 (880-24301-4), C121 (880-24301-5), C122 (880-24301-6), C118 (880-24301-7), C120 (880-24301-8), C204 (880-24301-9) and C119 (880-24301-10).

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: (CCV 880-45949/5) and (LCS 880-45900/2-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: C117 (880-24301-1), C126 (880-24301-2) and (880-24301-A-1-I MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: C127 (880-24301-3), C114 (880-24301-4), C121 (880-24301-5), C122 (880-24301-6), C118 (880-24301-7), C120 (880-24301-8), C204 (880-24301-9) and C119 (880-24301-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The method blank for preparation batch 880-45900 and analytical batch 880-45949 contained Gasoline Range Organics (GRO)-C6-C10 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.

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: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Client Sample ID: C117

Lab Sample ID: 880-24301-1

Date Collected: 02/02/23 10:01

Matrix: Solid

Date Received: 02/03/23 15:13

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 10:23	02/10/23 14:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 14:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 14:11	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 14:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 14:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	02/09/23 10:23	02/10/23 14:11	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/09/23 10:23	02/10/23 14:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/13/23 18:42	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 14:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 10:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 10:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	65	S1-	70 - 130	02/09/23 13:32	02/10/23 10:41	1
o-Terphenyl (Surr)	77		70 - 130	02/09/23 13:32	02/10/23 10:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		24.9	mg/Kg			02/07/23 13:24	5

Client Sample ID: C126

Lab Sample ID: 880-24301-2

Date Collected: 02/02/23 10:30

Matrix: Solid

Date Received: 02/03/23 15:13

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 10:23	02/10/23 14:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 14:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 14:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 14:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 14:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/09/23 10:23	02/10/23 14:31	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/09/23 10:23	02/10/23 14:31	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Client Sample ID: C126

Lab Sample ID: 880-24301-2

Date Collected: 02/02/23 10:30

Matrix: Solid

Date Received: 02/03/23 15:13

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 18:42	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 14:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 11:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 11:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 11:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	60	S1-	70 - 130			02/09/23 13:32	02/10/23 11:49	1
o-Terphenyl (Surr)	74		70 - 130			02/09/23 13:32	02/10/23 11:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	625		25.3	mg/Kg			02/07/23 13:38	5

Client Sample ID: C127

Lab Sample ID: 880-24301-3

Date Collected: 02/02/23 10:31

Matrix: Solid

Date Received: 02/03/23 15:13

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 10:23	02/10/23 14:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/09/23 10:23	02/10/23 14:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/09/23 10:23	02/10/23 14:52	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/09/23 10:23	02/10/23 14:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/09/23 10:23	02/10/23 14:52	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/09/23 10:23	02/10/23 14:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			02/09/23 10:23	02/10/23 14:52	1
1,4-Difluorobenzene (Surr)	112		70 - 130			02/09/23 10:23	02/10/23 14:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/13/23 18:42	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 14:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 12:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 12:11	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Client Sample ID: C127

Lab Sample ID: 880-24301-3

Date Collected: 02/02/23 10:31

Matrix: Solid

Date Received: 02/03/23 15:13

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 13:32	02/10/23 12:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	51	S1-	70 - 130			02/09/23 13:32	02/10/23 12:11	1
o-Terphenyl (Surr)	66	S1-	70 - 130			02/09/23 13:32	02/10/23 12:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	494		24.8	mg/Kg			02/07/23 13:43	5

Client Sample ID: C114

Lab Sample ID: 880-24301-4

Date Collected: 02/02/23 11:01

Matrix: Solid

Date Received: 02/03/23 15:13

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 10:23	02/10/23 15:12	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/09/23 10:23	02/10/23 15:12	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/09/23 10:23	02/10/23 15:12	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/09/23 10:23	02/10/23 15:12	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/09/23 10:23	02/10/23 15:12	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/09/23 10:23	02/10/23 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			02/09/23 10:23	02/10/23 15:12	1
1,4-Difluorobenzene (Surr)	106		70 - 130			02/09/23 10:23	02/10/23 15:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/13/23 18:42	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 14:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 12:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 12:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 12:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	62	S1-	70 - 130			02/09/23 13:32	02/10/23 12:32	1
o-Terphenyl (Surr)	74		70 - 130			02/09/23 13:32	02/10/23 12:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.6		5.00	mg/Kg			02/07/23 13:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Client Sample ID: C121

Lab Sample ID: 880-24301-5

Date Collected: 02/02/23 11:02

Matrix: Solid

Date Received: 02/03/23 15:13

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		02/09/23 10:23	02/10/23 15:33	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/09/23 10:23	02/10/23 15:33	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/09/23 10:23	02/10/23 15:33	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		02/09/23 10:23	02/10/23 15:33	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/09/23 10:23	02/10/23 15:33	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		02/09/23 10:23	02/10/23 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	02/09/23 10:23	02/10/23 15:33	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/09/23 10:23	02/10/23 15:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			02/13/23 18:42	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 14:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 12:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 12:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	64	S1-	70 - 130	02/09/23 13:32	02/10/23 12:54	1
o-Terphenyl (Surr)	74		70 - 130	02/09/23 13:32	02/10/23 12:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	423		24.9	mg/Kg			02/07/23 14:01	5

Client Sample ID: C122

Lab Sample ID: 880-24301-6

Date Collected: 02/02/23 11:03

Matrix: Solid

Date Received: 02/03/23 15:13

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 10:23	02/10/23 15:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 15:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 15:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 15:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 15:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/09/23 10:23	02/10/23 15:53	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/09/23 10:23	02/10/23 15:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Client Sample ID: C122

Lab Sample ID: 880-24301-6

Date Collected: 02/02/23 11:03

Matrix: Solid

Date Received: 02/03/23 15:13

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 18:42	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 14:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 13:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 13:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 13:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	61	S1-	70 - 130			02/09/23 13:32	02/10/23 13:15	1
o-Terphenyl (Surr)	69	S1-	70 - 130			02/09/23 13:32	02/10/23 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	357		4.95	mg/Kg			02/07/23 14:06	1

Client Sample ID: C118

Lab Sample ID: 880-24301-7

Date Collected: 02/02/23 11:04

Matrix: Solid

Date Received: 02/03/23 15:13

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 10:23	02/10/23 16:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 16:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 16:14	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 16:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 16:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 16:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			02/09/23 10:23	02/10/23 16:14	1
1,4-Difluorobenzene (Surr)	110		70 - 130			02/09/23 10:23	02/10/23 16:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/13/23 18:42	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 14:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 13:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 13:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Client Sample ID: C118

Lab Sample ID: 880-24301-7

Date Collected: 02/02/23 11:04

Matrix: Solid

Date Received: 02/03/23 15:13

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 13:32	02/10/23 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	52	S1-	70 - 130			02/09/23 13:32	02/10/23 13:36	1
o-Terphenyl (Surr)	63	S1-	70 - 130			02/09/23 13:32	02/10/23 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		5.04	mg/Kg			02/07/23 14:10	1

Client Sample ID: C120

Lab Sample ID: 880-24301-8

Date Collected: 02/02/23 11:06

Matrix: Solid

Date Received: 02/03/23 15:13

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 10:23	02/10/23 16:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 16:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 16:34	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 16:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 16:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			02/09/23 10:23	02/10/23 16:34	1
1,4-Difluorobenzene (Surr)	112		70 - 130			02/09/23 10:23	02/10/23 16:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/13/23 18:42	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 14:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 13:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 13:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 13:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	53	S1-	70 - 130			02/09/23 13:32	02/10/23 13:58	1
o-Terphenyl (Surr)	65	S1-	70 - 130			02/09/23 13:32	02/10/23 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		5.00	mg/Kg			02/07/23 14:15	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Client Sample ID: C204

Lab Sample ID: 880-24301-9

Date Collected: 02/02/23 13:00

Matrix: Solid

Date Received: 02/03/23 15:13

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 10:23	02/10/23 16:54	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 16:54	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 16:54	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 16:54	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 10:23	02/10/23 16:54	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 10:23	02/10/23 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	02/09/23 10:23	02/10/23 16:54	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/09/23 10:23	02/10/23 16:54	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 18:42	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 14:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 14:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 14:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 13:32	02/10/23 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	55	S1-	70 - 130	02/09/23 13:32	02/10/23 14:20	1
o-Terphenyl (Surr)	68	S1-	70 - 130	02/09/23 13:32	02/10/23 14:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	810		4.99	mg/Kg			02/07/23 14:20	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

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)
880-24301-1	C117	118	110
880-24301-1 MS	C117	118	109
880-24301-1 MSD	C117	118	105
880-24301-2	C126	123	111
880-24301-3	C127	126	112
880-24301-4	C114	117	106
880-24301-5	C121	124	105
880-24301-6	C122	120	107
880-24301-7	C118	119	110
880-24301-8	C120	128	112
880-24301-9	C204	121	107
LCS 880-45890/1-A	Lab Control Sample	106	104
LCSD 880-45890/2-A	Lab Control Sample Dup	107	106
MB 880-45890/5-A	Method Blank	106	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24301-1	C117	65 S1-	77
880-24301-1 MS	C117	68 S1-	72
880-24301-1 MSD	C117	86	74
880-24301-2	C126	60 S1-	74
880-24301-3	C127	51 S1-	66 S1-
880-24301-4	C114	62 S1-	74
880-24301-5	C121	64 S1-	74
880-24301-6	C122	61 S1-	69 S1-
880-24301-7	C118	52 S1-	63 S1-
880-24301-8	C120	53 S1-	65 S1-
880-24301-9	C204	55 S1-	68 S1-
LCS 880-45900/2-A	Lab Control Sample	132 S1+	138 S1+
LCSD 880-45900/3-A	Lab Control Sample Dup	106	130
MB 880-45900/1-A	Method Blank	74	93

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45890/5-A

Matrix: Solid

Analysis Batch: 45955

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45890

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/09/23 10:23	02/10/23 13:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/09/23 10:23	02/10/23 13:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/09/23 10:23	02/10/23 13:42	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/09/23 10:23	02/10/23 13:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/09/23 10:23	02/10/23 13:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/09/23 10:23	02/10/23 13:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/09/23 10:23	02/10/23 13:42	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/09/23 10:23	02/10/23 13:42	1

Lab Sample ID: LCS 880-45890/1-A

Matrix: Solid

Analysis Batch: 45955

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09992		mg/Kg		100	70 - 130
Toluene	0.100	0.1029		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130
m,p-Xylenes	0.200	0.2205		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1045		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-45890/2-A

Matrix: Solid

Analysis Batch: 45955

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45890

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09865		mg/Kg		99	70 - 130	1	35
Toluene	0.100	0.1003		mg/Kg		100	70 - 130	3	35
Ethylbenzene	0.100	0.1014		mg/Kg		101	70 - 130	2	35
m,p-Xylenes	0.200	0.2169		mg/Kg		108	70 - 130	2	35
o-Xylene	0.100	0.1035		mg/Kg		104	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-24301-1 MS

Matrix: Solid

Analysis Batch: 45955

Client Sample ID: C117

Prep Type: Total/NA

Prep Batch: 45890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.1069		mg/Kg		107	70 - 130
Toluene	<0.00199	U	0.0998	0.1075		mg/Kg		108	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-24301-1 MS

Matrix: Solid

Analysis Batch: 45955

Client Sample ID: C117

Prep Type: Total/NA

Prep Batch: 45890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.1083		mg/Kg		108	70 - 130
m,p-Xylenes	<0.00398	U	0.200	0.2317		mg/Kg		116	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1102		mg/Kg		110	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-24301-1 MSD

Matrix: Solid

Analysis Batch: 45955

Client Sample ID: C117

Prep Type: Total/NA

Prep Batch: 45890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.09775		mg/Kg		97	70 - 130	9	35
Toluene	<0.00199	U	0.100	0.09791		mg/Kg		98	70 - 130	9	35
Ethylbenzene	<0.00199	U	0.100	0.09845		mg/Kg		98	70 - 130	10	35
m,p-Xylenes	<0.00398	U	0.201	0.2108		mg/Kg		105	70 - 130	9	35
o-Xylene	<0.00199	U	0.100	0.1005		mg/Kg		100	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-45900/1-A

Matrix: Solid

Analysis Batch: 45949

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45900

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 13:32	02/10/23 08:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 08:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 13:32	02/10/23 08:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130	02/09/23 13:32	02/10/23 08:07	1
o-Terphenyl (Surr)	93		70 - 130	02/09/23 13:32	02/10/23 08:07	1

Lab Sample ID: LCS 880-45900/2-A

Matrix: Solid

Analysis Batch: 45949

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1020		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1138		mg/Kg		114	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-45900/2-A

Matrix: Solid

Analysis Batch: 45949

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45900

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	132	S1+	70 - 130
o-Terphenyl (Surr)	138	S1+	70 - 130

Lab Sample ID: LCSD 880-45900/3-A

Matrix: Solid

Analysis Batch: 45949

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45900

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	988.6		mg/Kg		99	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1056		mg/Kg		106	70 - 130	7	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	130		70 - 130

Lab Sample ID: 880-24301-1 MS

Matrix: Solid

Analysis Batch: 45949

Client Sample ID: C117

Prep Type: Total/NA

Prep Batch: 45900

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1139		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1193		mg/Kg		116	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	68	S1-	70 - 130
o-Terphenyl (Surr)	72		70 - 130

Lab Sample ID: 880-24301-1 MSD

Matrix: Solid

Analysis Batch: 45949

Client Sample ID: C117

Prep Type: Total/NA

Prep Batch: 45900

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	1192		mg/Kg		116	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1218		mg/Kg		119	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	86		70 - 130
o-Terphenyl (Surr)	74		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45573/1-A

Matrix: Solid

Analysis Batch: 45700

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			02/07/23 12:05	1

Lab Sample ID: LCS 880-45573/2-A

Matrix: Solid

Analysis Batch: 45700

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.7		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-45573/3-A

Matrix: Solid

Analysis Batch: 45700

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

Lab Sample ID: 880-24301-1 MS

Matrix: Solid

Analysis Batch: 45700

Client Sample ID: C117

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	337		1250	1589		mg/Kg		101	90 - 110

Lab Sample ID: 880-24301-1 MSD

Matrix: Solid

Analysis Batch: 45700

Client Sample ID: C117

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	337		1250	1587		mg/Kg		100	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

GC VOA

Prep Batch: 45890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24301-1	C117	Total/NA	Solid	5035	
880-24301-2	C126	Total/NA	Solid	5035	
880-24301-3	C127	Total/NA	Solid	5035	
880-24301-4	C114	Total/NA	Solid	5035	
880-24301-5	C121	Total/NA	Solid	5035	
880-24301-6	C122	Total/NA	Solid	5035	
880-24301-7	C118	Total/NA	Solid	5035	
880-24301-8	C120	Total/NA	Solid	5035	
880-24301-9	C204	Total/NA	Solid	5035	
MB 880-45890/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45890/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45890/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24301-1 MS	C117	Total/NA	Solid	5035	
880-24301-1 MSD	C117	Total/NA	Solid	5035	

Analysis Batch: 45955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24301-1	C117	Total/NA	Solid	8021B	45890
880-24301-2	C126	Total/NA	Solid	8021B	45890
880-24301-3	C127	Total/NA	Solid	8021B	45890
880-24301-4	C114	Total/NA	Solid	8021B	45890
880-24301-5	C121	Total/NA	Solid	8021B	45890
880-24301-6	C122	Total/NA	Solid	8021B	45890
880-24301-7	C118	Total/NA	Solid	8021B	45890
880-24301-8	C120	Total/NA	Solid	8021B	45890
880-24301-9	C204	Total/NA	Solid	8021B	45890
MB 880-45890/5-A	Method Blank	Total/NA	Solid	8021B	45890
LCS 880-45890/1-A	Lab Control Sample	Total/NA	Solid	8021B	45890
LCSD 880-45890/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45890
880-24301-1 MS	C117	Total/NA	Solid	8021B	45890
880-24301-1 MSD	C117	Total/NA	Solid	8021B	45890

Analysis Batch: 46217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24301-1	C117	Total/NA	Solid	Total BTEX	
880-24301-2	C126	Total/NA	Solid	Total BTEX	
880-24301-3	C127	Total/NA	Solid	Total BTEX	
880-24301-4	C114	Total/NA	Solid	Total BTEX	
880-24301-5	C121	Total/NA	Solid	Total BTEX	
880-24301-6	C122	Total/NA	Solid	Total BTEX	
880-24301-7	C118	Total/NA	Solid	Total BTEX	
880-24301-8	C120	Total/NA	Solid	Total BTEX	
880-24301-9	C204	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 45900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24301-1	C117	Total/NA	Solid	8015NM Prep	
880-24301-2	C126	Total/NA	Solid	8015NM Prep	
880-24301-3	C127	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Prep Batch: 45900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24301-4	C114	Total/NA	Solid	8015NM Prep	
880-24301-5	C121	Total/NA	Solid	8015NM Prep	
880-24301-6	C122	Total/NA	Solid	8015NM Prep	
880-24301-7	C118	Total/NA	Solid	8015NM Prep	
880-24301-8	C120	Total/NA	Solid	8015NM Prep	
880-24301-9	C204	Total/NA	Solid	8015NM Prep	
MB 880-45900/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45900/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45900/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24301-1 MS	C117	Total/NA	Solid	8015NM Prep	
880-24301-1 MSD	C117	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24301-1	C117	Total/NA	Solid	8015B NM	45900
880-24301-2	C126	Total/NA	Solid	8015B NM	45900
880-24301-3	C127	Total/NA	Solid	8015B NM	45900
880-24301-4	C114	Total/NA	Solid	8015B NM	45900
880-24301-5	C121	Total/NA	Solid	8015B NM	45900
880-24301-6	C122	Total/NA	Solid	8015B NM	45900
880-24301-7	C118	Total/NA	Solid	8015B NM	45900
880-24301-8	C120	Total/NA	Solid	8015B NM	45900
880-24301-9	C204	Total/NA	Solid	8015B NM	45900
MB 880-45900/1-A	Method Blank	Total/NA	Solid	8015B NM	45900
LCS 880-45900/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45900
LCSD 880-45900/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45900
880-24301-1 MS	C117	Total/NA	Solid	8015B NM	45900
880-24301-1 MSD	C117	Total/NA	Solid	8015B NM	45900

Analysis Batch: 46169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24301-1	C117	Total/NA	Solid	8015 NM	
880-24301-2	C126	Total/NA	Solid	8015 NM	
880-24301-3	C127	Total/NA	Solid	8015 NM	
880-24301-4	C114	Total/NA	Solid	8015 NM	
880-24301-5	C121	Total/NA	Solid	8015 NM	
880-24301-6	C122	Total/NA	Solid	8015 NM	
880-24301-7	C118	Total/NA	Solid	8015 NM	
880-24301-8	C120	Total/NA	Solid	8015 NM	
880-24301-9	C204	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 45573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24301-1	C117	Soluble	Solid	DI Leach	
880-24301-2	C126	Soluble	Solid	DI Leach	
880-24301-3	C127	Soluble	Solid	DI Leach	
880-24301-4	C114	Soluble	Solid	DI Leach	
880-24301-5	C121	Soluble	Solid	DI Leach	
880-24301-6	C122	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

HPLC/IC (Continued)

Leach Batch: 45573 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24301-7	C118	Soluble	Solid	DI Leach	
880-24301-8	C120	Soluble	Solid	DI Leach	
880-24301-9	C204	Soluble	Solid	DI Leach	
MB 880-45573/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45573/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45573/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24301-1 MS	C117	Soluble	Solid	DI Leach	
880-24301-1 MSD	C117	Soluble	Solid	DI Leach	

Analysis Batch: 45700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24301-1	C117	Soluble	Solid	300.0	45573
880-24301-2	C126	Soluble	Solid	300.0	45573
880-24301-3	C127	Soluble	Solid	300.0	45573
880-24301-4	C114	Soluble	Solid	300.0	45573
880-24301-5	C121	Soluble	Solid	300.0	45573
880-24301-6	C122	Soluble	Solid	300.0	45573
880-24301-7	C118	Soluble	Solid	300.0	45573
880-24301-8	C120	Soluble	Solid	300.0	45573
880-24301-9	C204	Soluble	Solid	300.0	45573
MB 880-45573/1-A	Method Blank	Soluble	Solid	300.0	45573
LCS 880-45573/2-A	Lab Control Sample	Soluble	Solid	300.0	45573
LCSD 880-45573/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45573
880-24301-1 MS	C117	Soluble	Solid	300.0	45573
880-24301-1 MSD	C117	Soluble	Solid	300.0	45573

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Client Sample ID: C117

Lab Sample ID: 880-24301-1

Date Collected: 02/02/23 10:01

Matrix: Solid

Date Received: 02/03/23 15:13

Prep 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	45890	02/09/23 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45955	02/10/23 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46217	02/13/23 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			46169	02/13/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45900	02/09/23 13:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45949	02/10/23 10:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45573	02/06/23 11:13	KS	EET MID
Soluble	Analysis	300.0		5			45700	02/07/23 13:24	CH	EET MID

Client Sample ID: C126

Lab Sample ID: 880-24301-2

Date Collected: 02/02/23 10:30

Matrix: Solid

Date Received: 02/03/23 15:13

Prep 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	45890	02/09/23 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45955	02/10/23 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46217	02/13/23 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			46169	02/13/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45900	02/09/23 13:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45949	02/10/23 11:49	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	45573	02/06/23 11:13	KS	EET MID
Soluble	Analysis	300.0		5			45700	02/07/23 13:38	CH	EET MID

Client Sample ID: C127

Lab Sample ID: 880-24301-3

Date Collected: 02/02/23 10:31

Matrix: Solid

Date Received: 02/03/23 15:13

Prep 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	45890	02/09/23 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45955	02/10/23 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46217	02/13/23 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			46169	02/13/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45900	02/09/23 13:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45949	02/10/23 12:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	45573	02/06/23 11:13	KS	EET MID
Soluble	Analysis	300.0		5			45700	02/07/23 13:43	CH	EET MID

Client Sample ID: C114

Lab Sample ID: 880-24301-4

Date Collected: 02/02/23 11:01

Matrix: Solid

Date Received: 02/03/23 15:13

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	45890	02/09/23 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45955	02/10/23 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46217	02/13/23 18:42	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Client Sample ID: C114

Lab Sample ID: 880-24301-4

Date Collected: 02/02/23 11:01

Matrix: Solid

Date Received: 02/03/23 15:13

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			46169	02/13/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45900	02/09/23 13:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45949	02/10/23 12:32	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45573	02/06/23 11:13	KS	EET MID
Soluble	Analysis	300.0		1			45700	02/07/23 13:57	CH	EET MID

Client Sample ID: C121

Lab Sample ID: 880-24301-5

Date Collected: 02/02/23 11:02

Matrix: Solid

Date Received: 02/03/23 15:13

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	45890	02/09/23 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45955	02/10/23 15:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46217	02/13/23 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			46169	02/13/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45900	02/09/23 13:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45949	02/10/23 12:54	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45573	02/06/23 11:13	KS	EET MID
Soluble	Analysis	300.0		5			45700	02/07/23 14:01	CH	EET MID

Client Sample ID: C122

Lab Sample ID: 880-24301-6

Date Collected: 02/02/23 11:03

Matrix: Solid

Date Received: 02/03/23 15:13

Prep 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	45890	02/09/23 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45955	02/10/23 15:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46217	02/13/23 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			46169	02/13/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45900	02/09/23 13:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45949	02/10/23 13:15	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45573	02/06/23 11:13	KS	EET MID
Soluble	Analysis	300.0		1			45700	02/07/23 14:06	CH	EET MID

Client Sample ID: C118

Lab Sample ID: 880-24301-7

Date Collected: 02/02/23 11:04

Matrix: Solid

Date Received: 02/03/23 15:13

Prep 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	45890	02/09/23 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45955	02/10/23 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46217	02/13/23 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			46169	02/13/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45900	02/09/23 13:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45949	02/10/23 13:36	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Client Sample ID: C118

Lab Sample ID: 880-24301-7

Date Collected: 02/02/23 11:04

Matrix: Solid

Date Received: 02/03/23 15:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	45573	02/06/23 11:13	KS	EET MID
Soluble	Analysis	300.0		1			45700	02/07/23 14:10	CH	EET MID

Client Sample ID: C120

Lab Sample ID: 880-24301-8

Date Collected: 02/02/23 11:06

Matrix: Solid

Date Received: 02/03/23 15:13

Prep 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	45890	02/09/23 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45955	02/10/23 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46217	02/13/23 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			46169	02/13/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45900	02/09/23 13:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45949	02/10/23 13:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45573	02/06/23 11:13	KS	EET MID
Soluble	Analysis	300.0		1			45700	02/07/23 14:15	CH	EET MID

Client Sample ID: C204

Lab Sample ID: 880-24301-9

Date Collected: 02/02/23 13:00

Matrix: Solid

Date Received: 02/03/23 15:13

Prep 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	45890	02/09/23 10:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45955	02/10/23 16:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46217	02/13/23 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			46169	02/13/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45900	02/09/23 13:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45949	02/10/23 14:20	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45573	02/06/23 11:13	KS	EET MID
Soluble	Analysis	300.0		1			45700	02/07/23 14:20	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

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

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24301-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24301-1	C117	Solid	02/02/23 10:01	02/03/23 15:13
880-24301-2	C126	Solid	02/02/23 10:30	02/03/23 15:13
880-24301-3	C127	Solid	02/02/23 10:31	02/03/23 15:13
880-24301-4	C114	Solid	02/02/23 11:01	02/03/23 15:13
880-24301-5	C121	Solid	02/02/23 11:02	02/03/23 15:13
880-24301-6	C122	Solid	02/02/23 11:03	02/03/23 15:13
880-24301-7	C118	Solid	02/02/23 11:04	02/03/23 15:13
880-24301-8	C120	Solid	02/02/23 11:06	02/03/23 15:13
880-24301-9	C204	Solid	02/02/23 13:00	02/03/23 15:13

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[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24301-1

SDG Number: 22-0107-01

Login Number: 24301**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 2/27/2023 12:57:30 PM Revision 1

JOB DESCRIPTION

Hayhurst Pond 2
SDG NUMBER 22-0107-01

JOB NUMBER

880-24509-1

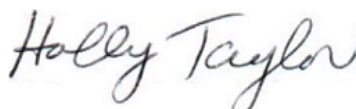
Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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
2/27/2023 12:57:30 PM
Revision 1

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Laboratory Job ID: 880-24509-1
SDG: 22-0107-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Job ID: 880-24509-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-24509-1**

Revision

The report being provided is a revision of the original report sent on 2/15/2023. The report (revision 1) is being revised to remove C-232, C-234 and C-235 from the report per Robert Nelson (email).

Receipt

The samples were received on 2/9/2023 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 was 0.3° C.

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: C14 (880-24509-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-46011 and analytical batch 880-46074 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (890-4069-A-1-F), (890-4069-A-1-G MS) and (890-4069-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: C2 (880-24509-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The method blank for preparation batch 880-46071 and analytical batch 880-46062 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-46071 and analytical batch 880-46062 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015B NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-46071 and analytical batch 880-46062. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: C17 (880-24509-6), C231 (880-24509-7), C232 (880-24509-8), SW5 (880-24509-12) and C210 (880-24509-15). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-24509-A-1-I MS) and (880-24509-A-1-J MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-46200 and analytical batch 880-46269 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.

General Chemistry

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Job ID: 880-24509-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-45878 and analytical batch 880-45914 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C8

Lab Sample ID: 880-24509-1

Date Collected: 02/06/23 11:00

Matrix: Solid

Date Received: 02/09/23 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		02/13/23 15:05	02/14/23 15:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/13/23 15:05	02/14/23 15:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/13/23 15:05	02/14/23 15:55	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/13/23 15:05	02/14/23 15:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/13/23 15:05	02/14/23 15:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/13/23 15:05	02/14/23 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/13/23 15:05	02/14/23 15:55	1
1,4-Difluorobenzene (Surr)	77		70 - 130	02/13/23 15:05	02/14/23 15:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/14/23 18:31	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			02/15/23 09:48	1

Method: 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 F1	49.9	mg/Kg		02/13/23 16:59	02/14/23 21:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9	mg/Kg		02/13/23 16:59	02/14/23 21:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/14/23 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130	02/13/23 16:59	02/14/23 21:42	1
o-Terphenyl (Surr)	71		70 - 130	02/13/23 16:59	02/14/23 21:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	427	F1	5.03	mg/Kg			02/10/23 11:19	1

Client Sample ID: C10

Lab Sample ID: 880-24509-2

Date Collected: 02/06/23 11:01

Matrix: Solid

Date Received: 02/09/23 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		02/10/23 14:34	02/12/23 17:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:34	02/12/23 17:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:34	02/12/23 17:56	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/10/23 14:34	02/12/23 17:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:34	02/12/23 17:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 14:34	02/12/23 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/10/23 14:34	02/12/23 17:56	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/10/23 14:34	02/12/23 17:56	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C10

Lab Sample ID: 880-24509-2

Date Collected: 02/06/23 11:01

Matrix: Solid

Date Received: 02/09/23 08:26

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 09:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/14/23 22:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/14/23 22:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/14/23 22:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			02/13/23 16:59	02/14/23 22:47	1
o-Terphenyl (Surr)	86		70 - 130			02/13/23 16:59	02/14/23 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	763		5.00	mg/Kg			02/10/23 11:38	1

Client Sample ID: C13

Lab Sample ID: 880-24509-3

Date Collected: 02/06/23 11:03

Matrix: Solid

Date Received: 02/09/23 08:26

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 14:34	02/12/23 18:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 18:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 18:16	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/10/23 14:34	02/12/23 18:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 18:16	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/10/23 14:34	02/12/23 18:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			02/10/23 14:34	02/12/23 18:16	1
1,4-Difluorobenzene (Surr)	95		70 - 130			02/10/23 14:34	02/12/23 18:16	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			02/13/23 09:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/14/23 23:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/14/23 23:09	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C13

Date Collected: 02/06/23 11:03

Date Received: 02/09/23 08:26

Lab Sample ID: 880-24509-3

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/14/23 23:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	70		70 - 130			02/13/23 16:59	02/14/23 23:09	1
o-Terphenyl (Surr)	72		70 - 130			02/13/23 16:59	02/14/23 23:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	462		4.97	mg/Kg			02/10/23 11:44	1

Client Sample ID: C14

Date Collected: 02/06/23 11:04

Date Received: 02/09/23 08:26

Lab Sample ID: 880-24509-4

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 18:37	1
Toluene	0.00202		0.00200	mg/Kg		02/10/23 14:34	02/12/23 18:37	1
Ethylbenzene	0.00539		0.00200	mg/Kg		02/10/23 14:34	02/12/23 18:37	1
m,p-Xylenes	0.00890		0.00401	mg/Kg		02/10/23 14:34	02/12/23 18:37	1
o-Xylene	0.0149		0.00200	mg/Kg		02/10/23 14:34	02/12/23 18:37	1
Xylenes, Total	0.0238		0.00401	mg/Kg		02/10/23 14:34	02/12/23 18:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			02/10/23 14:34	02/12/23 18:37	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130			02/10/23 14:34	02/12/23 18:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0312		0.00401	mg/Kg			02/13/23 09:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/14/23 23:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/14/23 23:31	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/14/23 23:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130			02/13/23 16:59	02/14/23 23:31	1
o-Terphenyl (Surr)	73		70 - 130			02/13/23 16:59	02/14/23 23:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	784		5.05	mg/Kg			02/10/23 11:50	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C16

Lab Sample ID: 880-24509-5

Date Collected: 02/06/23 11:05

Matrix: Solid

Date Received: 02/09/23 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		02/10/23 14:34	02/12/23 20:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:34	02/12/23 20:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:34	02/12/23 20:27	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/10/23 14:34	02/12/23 20:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:34	02/12/23 20:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 14:34	02/12/23 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/10/23 14:34	02/12/23 20:27	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/10/23 14:34	02/12/23 20:27	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			02/13/23 09:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/14/23 23:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/14/23 23:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/14/23 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130	02/13/23 16:59	02/14/23 23:53	1
o-Terphenyl (Surr)	74		70 - 130	02/13/23 16:59	02/14/23 23:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		4.99	mg/Kg			02/10/23 11:56	1

Client Sample ID: C17

Lab Sample ID: 880-24509-6

Date Collected: 02/06/23 11:06

Matrix: Solid

Date Received: 02/09/23 08:26

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 14:34	02/12/23 20:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 20:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 20:47	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/10/23 14:34	02/12/23 20:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 20:47	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/10/23 14:34	02/12/23 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	02/10/23 14:34	02/12/23 20:47	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/10/23 14:34	02/12/23 20:47	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C17

Lab Sample ID: 880-24509-6

Date Collected: 02/06/23 11:06

Matrix: Solid

Date Received: 02/09/23 08:26

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 09:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 00:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 00:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 00:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	70		70 - 130			02/13/23 16:59	02/15/23 00:16	1
o-Terphenyl (Surr)	69	S1-	70 - 130			02/13/23 16:59	02/15/23 00:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	385		5.01	mg/Kg			02/10/23 12:15	1

Client Sample ID: C231

Lab Sample ID: 880-24509-7

Date Collected: 02/06/23 11:07

Matrix: Solid

Date Received: 02/09/23 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		02/10/23 14:34	02/12/23 21:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:34	02/12/23 21:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:34	02/12/23 21:08	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/10/23 14:34	02/12/23 21:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:34	02/12/23 21:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 14:34	02/12/23 21:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			02/10/23 14:34	02/12/23 21:08	1
1,4-Difluorobenzene (Surr)	105		70 - 130			02/10/23 14:34	02/12/23 21:08	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			02/13/23 09:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.3		50.0	mg/Kg			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 00:38	1
Diesel Range Organics (Over C10-C28)	53.3		50.0	mg/Kg		02/13/23 16:59	02/15/23 00:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C231

Lab Sample ID: 880-24509-7

Date Collected: 02/06/23 11:07

Matrix: Solid

Date Received: 02/09/23 08:26

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/15/23 00:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	68	S1-	70 - 130			02/13/23 16:59	02/15/23 00:38	1
o-Terphenyl (Surr)	67	S1-	70 - 130			02/13/23 16:59	02/15/23 00:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	603		5.00	mg/Kg			02/10/23 12:21	1

Client Sample ID: C233

Lab Sample ID: 880-24509-9

Date Collected: 02/06/23 11:09

Matrix: Solid

Date Received: 02/09/23 08:26

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 14:34	02/12/23 21:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 21:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 21:49	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/10/23 14:34	02/12/23 21:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 21:49	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/10/23 14:34	02/12/23 21:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			02/10/23 14:34	02/12/23 21:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130			02/10/23 14:34	02/12/23 21:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/13/23 09:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 01:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 01:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 01:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130			02/13/23 16:59	02/15/23 01:22	1
o-Terphenyl (Surr)	72		70 - 130			02/13/23 16:59	02/15/23 01:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	609		5.01	mg/Kg			02/10/23 12:33	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C11

Lab Sample ID: 880-24509-11

Date Collected: 02/06/23 15:00

Matrix: Solid

Date Received: 02/09/23 08:26

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 14:34	02/12/23 22:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 22:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 22:29	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/10/23 14:34	02/12/23 22:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 22:29	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/10/23 14:34	02/12/23 22:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	02/10/23 14:34	02/12/23 22:29	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/10/23 14:34	02/12/23 22:29	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			02/13/23 09:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 02:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/15/23 02:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/15/23 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130	02/13/23 16:59	02/15/23 02:29	1
o-Terphenyl (Surr)	78		70 - 130	02/13/23 16:59	02/15/23 02:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		5.00	mg/Kg			02/10/23 12:45	1

Client Sample ID: SW5

Lab Sample ID: 880-24509-12

Date Collected: 02/07/23 12:00

Matrix: Solid

Date Received: 02/09/23 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		02/10/23 14:48	02/13/23 17:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:48	02/13/23 17:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:48	02/13/23 17:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/10/23 14:48	02/13/23 17:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:48	02/13/23 17:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 14:48	02/13/23 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/10/23 14:48	02/13/23 17:25	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/10/23 14:48	02/13/23 17:25	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: SW5

Lab Sample ID: 880-24509-12

Date Collected: 02/07/23 12:00

Matrix: Solid

Date Received: 02/09/23 08:26

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			02/14/23 11:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 02:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/15/23 02:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/15/23 02:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	69	S1-	70 - 130			02/13/23 16:59	02/15/23 02:52	1
o-Terphenyl (Surr)	70		70 - 130			02/13/23 16:59	02/15/23 02:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	430		5.02	mg/Kg			02/10/23 13:04	1

Client Sample ID: SW24

Lab Sample ID: 880-24509-13

Date Collected: 02/07/23 13:00

Matrix: Solid

Date Received: 02/09/23 08:26

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 14:48	02/13/23 17:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 17:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 17:45	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/10/23 14:48	02/13/23 17:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 17:45	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/10/23 14:48	02/13/23 17:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			02/10/23 14:48	02/13/23 17:45	1
1,4-Difluorobenzene (Surr)	109		70 - 130			02/10/23 14:48	02/13/23 17:45	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			02/14/23 11:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 03:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 03:14	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: SW24

Lab Sample ID: 880-24509-13

Date Collected: 02/07/23 13:00

Matrix: Solid

Date Received: 02/09/23 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		02/13/23 16:59	02/15/23 03:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130			02/13/23 16:59	02/15/23 03:14	1
o-Terphenyl (Surr)	71		70 - 130			02/13/23 16:59	02/15/23 03:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		5.00	mg/Kg			02/10/23 13:10	1

Client Sample ID: SW25

Lab Sample ID: 880-24509-14

Date Collected: 02/07/23 13:15

Matrix: Solid

Date Received: 02/09/23 08:26

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 14:48	02/13/23 18:05	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/10/23 14:48	02/13/23 18:05	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/10/23 14:48	02/13/23 18:05	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/10/23 14:48	02/13/23 18:05	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/10/23 14:48	02/13/23 18:05	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/10/23 14:48	02/13/23 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			02/10/23 14:48	02/13/23 18:05	1
1,4-Difluorobenzene (Surr)	112		70 - 130			02/10/23 14:48	02/13/23 18:05	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			02/14/23 11:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 03:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 03:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 03:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			02/13/23 16:59	02/15/23 03:36	1
o-Terphenyl (Surr)	79		70 - 130			02/13/23 16:59	02/15/23 03:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		4.98	mg/Kg			02/10/23 13:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C210

Lab Sample ID: 880-24509-15

Date Collected: 02/07/23 14:00

Matrix: Solid

Date Received: 02/09/23 08:26

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 14:48	02/13/23 18:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 18:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 18:26	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/10/23 14:48	02/13/23 18:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 18:26	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/10/23 14:48	02/13/23 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	02/10/23 14:48	02/13/23 18:26	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/10/23 14:48	02/13/23 18:26	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			02/14/23 11:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 03:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/15/23 03:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/15/23 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	69	S1-	70 - 130	02/13/23 16:59	02/15/23 03:58	1
o-Terphenyl (Surr)	69	S1-	70 - 130	02/13/23 16:59	02/15/23 03:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		4.95	mg/Kg			02/10/23 13:35	1

Client Sample ID: SW26

Lab Sample ID: 880-24509-16

Date Collected: 02/07/23 14:15

Matrix: Solid

Date Received: 02/09/23 08:26

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 14:48	02/13/23 18:46	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/10/23 14:48	02/13/23 18:46	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/10/23 14:48	02/13/23 18:46	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		02/10/23 14:48	02/13/23 18:46	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/10/23 14:48	02/13/23 18:46	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/10/23 14:48	02/13/23 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/10/23 14:48	02/13/23 18:46	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/10/23 14:48	02/13/23 18:46	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: SW26

Lab Sample ID: 880-24509-16

Date Collected: 02/07/23 14:15

Matrix: Solid

Date Received: 02/09/23 08:26

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			02/14/23 11:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 04:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 04:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 04:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			02/13/23 16:59	02/15/23 04:20	1
o-Terphenyl (Surr)	78		70 - 130			02/13/23 16:59	02/15/23 04:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	383		5.00	mg/Kg			02/10/23 13:41	1

Client Sample ID: SW27

Lab Sample ID: 880-24509-17

Date Collected: 02/07/23 14:16

Matrix: Solid

Date Received: 02/09/23 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		02/10/23 14:48	02/13/23 19:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:48	02/13/23 19:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:48	02/13/23 19:07	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/10/23 14:48	02/13/23 19:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:48	02/13/23 19:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 14:48	02/13/23 19:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			02/10/23 14:48	02/13/23 19:07	1
1,4-Difluorobenzene (Surr)	108		70 - 130			02/10/23 14:48	02/13/23 19:07	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			02/14/23 11:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 04:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/13/23 16:59	02/15/23 04:42	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: SW27

Lab Sample ID: 880-24509-17

Date Collected: 02/07/23 14:16

Matrix: Solid

Date Received: 02/09/23 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)	<49.8	U	49.8	mg/Kg		02/13/23 16:59	02/15/23 04:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			02/13/23 16:59	02/15/23 04:42	1
o-Terphenyl (Surr)	73		70 - 130			02/13/23 16:59	02/15/23 04:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.6		4.99	mg/Kg			02/10/23 13:47	1

Client Sample ID: C40

Lab Sample ID: 880-24509-19

Date Collected: 02/07/23 15:30

Matrix: Solid

Date Received: 02/09/23 08:26

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 14:48	02/13/23 19:47	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/10/23 14:48	02/13/23 19:47	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/10/23 14:48	02/13/23 19:47	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/10/23 14:48	02/13/23 19:47	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/10/23 14:48	02/13/23 19:47	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/10/23 14:48	02/13/23 19:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			02/10/23 14:48	02/13/23 19:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130			02/10/23 14:48	02/13/23 19:47	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			02/14/23 11:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 05:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/13/23 16:59	02/15/23 05:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/13/23 16:59	02/15/23 05:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			02/13/23 16:59	02/15/23 05:26	1
o-Terphenyl (Surr)	77		70 - 130			02/13/23 16:59	02/15/23 05:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.4		4.97	mg/Kg			02/10/23 13:59	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C1

Lab Sample ID: 880-24509-20

Date Collected: 02/08/23 11:30

Matrix: Solid

Date Received: 02/09/23 08:26

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 14:48	02/13/23 20:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 20:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 20:08	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/10/23 14:48	02/13/23 20:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 20:08	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/10/23 14:48	02/13/23 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	02/10/23 14:48	02/13/23 20:08	1
1,4-Difluorobenzene (Surr)	106		70 - 130	02/10/23 14:48	02/13/23 20:08	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			02/14/23 11:13	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			02/15/23 09:48	1

Method: 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		02/13/23 16:59	02/15/23 05:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 05:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/13/23 16:59	02/15/23 05:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130	02/13/23 16:59	02/15/23 05:48	1
o-Terphenyl (Surr)	70		70 - 130	02/13/23 16:59	02/15/23 05:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	907		4.98	mg/Kg			02/10/23 14:05	1

Client Sample ID: C2

Lab Sample ID: 880-24509-21

Date Collected: 02/08/23 11:31

Matrix: Solid

Date Received: 02/09/23 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		02/10/23 14:48	02/13/23 20:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:48	02/13/23 20:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:48	02/13/23 20:28	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/10/23 14:48	02/13/23 20:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 14:48	02/13/23 20:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 14:48	02/13/23 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	02/10/23 14:48	02/13/23 20:28	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/10/23 14:48	02/13/23 20:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C2

Lab Sample ID: 880-24509-21

Date Collected: 02/08/23 11:31

Matrix: Solid

Date Received: 02/09/23 08:26

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			02/14/23 11:13	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 15:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/12/23 09:13	02/13/23 06:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		02/12/23 09:13	02/13/23 06:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/12/23 09:13	02/13/23 06:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	68	S1-	70 - 130			02/12/23 09:13	02/13/23 06:15	1
o-Terphenyl (Surr)	65	S1-	70 - 130			02/12/23 09:13	02/13/23 06:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1860		49.7	mg/Kg			02/10/23 17:29	10

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

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)
880-24509-1	C8	104	77
880-24509-2	C10	129	99
880-24509-3	C13	97	95
880-24509-4	C14	93	132 S1+
880-24509-5	C16	119	107
880-24509-6	C17	121	102
880-24509-7	C231	121	105
880-24509-9	C233	117	100
880-24509-11	C11	124	110
880-24509-12	SW5	113	110
880-24509-13	SW24	121	109
880-24509-14	SW25	125	112
880-24509-15	C210	124	108
880-24509-16	SW26	119	110
880-24509-17	SW27	128	108
880-24509-19	C40	125	109
880-24509-20	C1	128	106
880-24509-21	C2	125	111
LCS 880-46011/1-A	Lab Control Sample	109	113
LCS 880-46013/1-A	Lab Control Sample	113	110
LCS 880-46177/1-A	Lab Control Sample	103	106
LCS 880-46275/1-A	Lab Control Sample	113	102
LCSD 880-46011/2-A	Lab Control Sample Dup	109	111
LCSD 880-46013/2-A	Lab Control Sample Dup	113	109
LCSD 880-46177/2-A	Lab Control Sample Dup	110	106
LCSD 880-46275/2-A	Lab Control Sample Dup	115	101
MB 880-46011/5-A	Method Blank	111	103
MB 880-46013/5-A	Method Blank	112	105
MB 880-46177/5-A	Method Blank	76	88
MB 880-46275/5-A	Method Blank	79	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-24509-1	C8	73	71
880-24509-1 MS	C8	73	69 S1-
880-24509-1 MSD	C8	71	67 S1-
880-24509-2	C10	85	86
880-24509-3	C13	70	72
880-24509-4	C14	71	73
880-24509-5	C16	73	74
880-24509-6	C17	70	69 S1-
880-24509-7	C231	68 S1-	67 S1-

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-24509-1

Project/Site: Hayhurst Pond 2

SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)
Matrix: Solid
Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-24509-9	C233	72	72
880-24509-11	C11	83	78
880-24509-12	SW5	69 S1-	70
880-24509-13	SW24	71	71
880-24509-14	SW25	80	79
880-24509-15	C210	69 S1-	69 S1-
880-24509-16	SW26	81	78
880-24509-17	SW27	79	73
880-24509-19	C40	81	77
880-24509-20	C1	73	70
880-24509-21	C2	68 S1-	65 S1-
LCS 880-46071/2-A	Lab Control Sample	89	92
LCS 880-46200/2-A	Lab Control Sample	94	92
LCSD 880-46071/3-A	Lab Control Sample Dup	81	78
LCSD 880-46200/3-A	Lab Control Sample Dup	91	92
MB 880-46071/1-A	Method Blank	77	77
MB 880-46200/1-A	Method Blank	86	89

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-46011/5-A

Matrix: Solid

Analysis Batch: 46074

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46011

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 15:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 15:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 15:04	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/10/23 14:34	02/12/23 15:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:34	02/12/23 15:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/10/23 14:34	02/12/23 15:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/10/23 14:34	02/12/23 15:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/10/23 14:34	02/12/23 15:04	1

Lab Sample ID: LCS 880-46011/1-A

Matrix: Solid

Analysis Batch: 46074

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46011

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1085		mg/Kg		109	70 - 130
Toluene	0.100	0.1064		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130
m,p-Xylenes	0.200	0.2189		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-46011/2-A

Matrix: Solid

Analysis Batch: 46074

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46011

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1057		mg/Kg		106	70 - 130	3	35
Toluene	0.100	0.1031		mg/Kg		103	70 - 130	3	35
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130	2	35
m,p-Xylenes	0.200	0.2154		mg/Kg		108	70 - 130	2	35
o-Xylene	0.100	0.1028		mg/Kg		103	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: MB 880-46013/5-A

Matrix: Solid

Analysis Batch: 46089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46013

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 12:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 12:02	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-46013/5-A

Matrix: Solid

Analysis Batch: 46089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46013

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 12:02	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/10/23 14:48	02/13/23 12:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 14:48	02/13/23 12:02	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/10/23 14:48	02/13/23 12:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/10/23 14:48	02/13/23 12:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/10/23 14:48	02/13/23 12:02	1

Lab Sample ID: LCS 880-46013/1-A

Matrix: Solid

Analysis Batch: 46089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1205		mg/Kg		121	70 - 130
Toluene	0.100	0.1135		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1132		mg/Kg		113	70 - 130
m,p-Xylenes	0.200	0.2358		mg/Kg		118	70 - 130
o-Xylene	0.100	0.1134		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-46013/2-A

Matrix: Solid

Analysis Batch: 46089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1155		mg/Kg		115	70 - 130	4	35
Toluene	0.100	0.1112		mg/Kg		111	70 - 130	2	35
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130	3	35
m,p-Xylenes	0.200	0.2303		mg/Kg		115	70 - 130	2	35
o-Xylene	0.100	0.1111		mg/Kg		111	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: MB 880-46177/5-A

Matrix: Solid

Analysis Batch: 46260

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46177

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/13/23 15:05	02/14/23 11:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/13/23 15:05	02/14/23 11:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/13/23 15:05	02/14/23 11:06	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/13/23 15:05	02/14/23 11:06	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-46177/5-A

Matrix: Solid

Analysis Batch: 46260

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46177

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/13/23 15:05	02/14/23 11:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/13/23 15:05	02/14/23 11:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	02/13/23 15:05	02/14/23 11:06	1
1,4-Difluorobenzene (Surr)	88		70 - 130	02/13/23 15:05	02/14/23 11:06	1

Lab Sample ID: LCS 880-46177/1-A

Matrix: Solid

Analysis Batch: 46260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1155		mg/Kg		115	70 - 130
Toluene	0.100	0.1041		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1061		mg/Kg		106	70 - 130
m,p-Xylenes	0.200	0.2246		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1110		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-46177/2-A

Matrix: Solid

Analysis Batch: 46260

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46177

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1164		mg/Kg		116	70 - 130	1	35
Toluene	0.100	0.1071		mg/Kg		107	70 - 130	3	35
Ethylbenzene	0.100	0.1070		mg/Kg		107	70 - 130	1	35
m,p-Xylenes	0.200	0.2272		mg/Kg		114	70 - 130	1	35
o-Xylene	0.100	0.1128		mg/Kg		113	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-46275/5-A

Matrix: Solid

Analysis Batch: 46260

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46275

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/14/23 09:23	02/14/23 21:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/14/23 09:23	02/14/23 21:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/14/23 09:23	02/14/23 21:41	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/14/23 09:23	02/14/23 21:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/14/23 09:23	02/14/23 21:41	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/14/23 09:23	02/14/23 21:41	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	02/14/23 09:23	02/14/23 21:41	1
1,4-Difluorobenzene (Surr)	90		70 - 130	02/14/23 09:23	02/14/23 21:41	1

Lab Sample ID: LCS 880-46275/1-A

Matrix: Solid

Analysis Batch: 46260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08909		mg/Kg		89	70 - 130
Toluene	0.100	0.08799		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09387		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.2005		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1086		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-46275/2-A

Matrix: Solid

Analysis Batch: 46260

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46275

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1073		mg/Kg		107	70 - 130	19	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	16	35
Ethylbenzene	0.100	0.1056		mg/Kg		106	70 - 130	12	35
m,p-Xylenes	0.200	0.2275		mg/Kg		114	70 - 130	13	35
o-Xylene	0.100	0.1175		mg/Kg		117	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-46071/1-A

Matrix: Solid

Analysis Batch: 46062

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46071

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		02/12/23 09:13	02/12/23 21:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/12/23 09:13	02/12/23 21:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/12/23 09:13	02/12/23 21:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130	02/12/23 09:13	02/12/23 21:21	1
o-Terphenyl (Surr)	77		70 - 130	02/12/23 09:13	02/12/23 21:21	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-46071/2-A

Matrix: Solid

Analysis Batch: 46062

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46071

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	904.6		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	999	945.1		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	89		70 - 130				
o-Terphenyl (Surr)	92		70 - 130				

Lab Sample ID: LCSD 880-46071/3-A

Matrix: Solid

Analysis Batch: 46062

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46071

Top Data: 100%											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10			999	764.6		mg/Kg		77	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			999	746.8	*1	mg/Kg		75	70 - 130	23	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane (Surr)	81		70 - 130								
o-Terphenyl (Surr)	78		70 - 130								

Lab Sample ID: MB 880-46200/1-A

Matrix: Solid

Analysis Batch: 46269

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46200

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/14/23 20:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/14/23 20:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/13/23 16:59	02/14/23 20:36	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
%Recovery	Qualifier							
1-Chlorooctane (Surr)	86		70 - 130			02/13/23 16:59	02/14/23 20:36	1
o-Terphenyl (Surr)	89		70 - 130			02/13/23 16:59	02/14/23 20:36	1

Lab Sample ID: LCS 880-46200/2-A

Matrix: Solid

Analysis Batch: 46269

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46200

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	894.2		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	937.1		mg/Kg		94	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-46200/2-A

Matrix: Solid

Analysis Batch: 46269

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46200

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-46200/3-A

Matrix: Solid

Analysis Batch: 46269

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46200

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	895.2		mg/Kg		90	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	929.1		mg/Kg		93	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	91		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: 880-24509-1 MS

Matrix: Solid

Analysis Batch: 46269

Client Sample ID: C8

Prep Type: Total/NA

Prep Batch: 46200

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	1000	286.7	F1	mg/Kg		29	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	246.2	F1	mg/Kg		22	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	73		70 - 130
o-Terphenyl (Surr)	69	S1-	70 - 130

Lab Sample ID: 880-24509-1 MSD

Matrix: Solid

Analysis Batch: 46269

Client Sample ID: C8

Prep Type: Total/NA

Prep Batch: 46200

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	1000	303.1	F1	mg/Kg		30	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	241.3	F1	mg/Kg		22	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	71		70 - 130
o-Terphenyl (Surr)	67	S1-	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45758/1-A

Matrix: Solid

Analysis Batch: 45913

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 14:36	1

Lab Sample ID: LCS 880-45758/2-A

Matrix: Solid

Analysis Batch: 45913

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.3		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-45758/3-A

Matrix: Solid

Analysis Batch: 45913

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	241.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-45878/1-A

Matrix: Solid

Analysis Batch: 45914

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 11:01	1

Lab Sample ID: LCS 880-45878/2-A

Matrix: Solid

Analysis Batch: 45914

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.6		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-45878/3-A

Matrix: Solid

Analysis Batch: 45914

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	232.0		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-24509-1 MS

Matrix: Solid

Analysis Batch: 45914

Client Sample ID: C8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	427	F1	252	619.2	F1	mg/Kg		76	90 - 110

Lab Sample ID: 880-24509-1 MSD

Matrix: Solid

Analysis Batch: 45914

Client Sample ID: C8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	427	F1	252	620.2	F1	mg/Kg		77	90 - 110	0	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-24509-11 MS										Client Sample ID: C11			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 45914													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	134		250	367.7		mg/Kg		93	90 - 110				

Lab Sample ID: 880-24509-11 MSD										Client Sample ID: C11			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 45914													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	134		250	367.6		mg/Kg		93	90 - 110	0	20		

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

GC VOA

Prep Batch: 46011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-2	C10	Total/NA	Solid	5035	
880-24509-3	C13	Total/NA	Solid	5035	
880-24509-4	C14	Total/NA	Solid	5035	
880-24509-5	C16	Total/NA	Solid	5035	
880-24509-6	C17	Total/NA	Solid	5035	
880-24509-7	C231	Total/NA	Solid	5035	
880-24509-9	C233	Total/NA	Solid	5035	
880-24509-11	C11	Total/NA	Solid	5035	
MB 880-46011/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46011/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46011/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 46013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-12	SW5	Total/NA	Solid	5035	
880-24509-13	SW24	Total/NA	Solid	5035	
880-24509-14	SW25	Total/NA	Solid	5035	
880-24509-15	C210	Total/NA	Solid	5035	
880-24509-16	SW26	Total/NA	Solid	5035	
880-24509-17	SW27	Total/NA	Solid	5035	
880-24509-19	C40	Total/NA	Solid	5035	
880-24509-20	C1	Total/NA	Solid	5035	
880-24509-21	C2	Total/NA	Solid	5035	
MB 880-46013/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46013/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46013/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 46074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-2	C10	Total/NA	Solid	8021B	46011
880-24509-3	C13	Total/NA	Solid	8021B	46011
880-24509-4	C14	Total/NA	Solid	8021B	46011
880-24509-5	C16	Total/NA	Solid	8021B	46011
880-24509-6	C17	Total/NA	Solid	8021B	46011
880-24509-7	C231	Total/NA	Solid	8021B	46011
880-24509-9	C233	Total/NA	Solid	8021B	46011
880-24509-11	C11	Total/NA	Solid	8021B	46011
MB 880-46011/5-A	Method Blank	Total/NA	Solid	8021B	46011
LCS 880-46011/1-A	Lab Control Sample	Total/NA	Solid	8021B	46011
LCSD 880-46011/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46011

Analysis Batch: 46089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-12	SW5	Total/NA	Solid	8021B	46013
880-24509-13	SW24	Total/NA	Solid	8021B	46013
880-24509-14	SW25	Total/NA	Solid	8021B	46013
880-24509-15	C210	Total/NA	Solid	8021B	46013
880-24509-16	SW26	Total/NA	Solid	8021B	46013
880-24509-17	SW27	Total/NA	Solid	8021B	46013
880-24509-19	C40	Total/NA	Solid	8021B	46013
880-24509-20	C1	Total/NA	Solid	8021B	46013

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

GC VOA (Continued)

Analysis Batch: 46089 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-21	C2	Total/NA	Solid	8021B	46013
MB 880-46013/5-A	Method Blank	Total/NA	Solid	8021B	46013
LCS 880-46013/1-A	Lab Control Sample	Total/NA	Solid	8021B	46013
LCSD 880-46013/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46013

Analysis Batch: 46096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-1	C8	Total/NA	Solid	Total BTEX	
880-24509-2	C10	Total/NA	Solid	Total BTEX	
880-24509-3	C13	Total/NA	Solid	Total BTEX	
880-24509-4	C14	Total/NA	Solid	Total BTEX	
880-24509-5	C16	Total/NA	Solid	Total BTEX	
880-24509-6	C17	Total/NA	Solid	Total BTEX	
880-24509-7	C231	Total/NA	Solid	Total BTEX	
880-24509-9	C233	Total/NA	Solid	Total BTEX	
880-24509-11	C11	Total/NA	Solid	Total BTEX	
880-24509-12	SW5	Total/NA	Solid	Total BTEX	
880-24509-13	SW24	Total/NA	Solid	Total BTEX	
880-24509-14	SW25	Total/NA	Solid	Total BTEX	
880-24509-15	C210	Total/NA	Solid	Total BTEX	
880-24509-16	SW26	Total/NA	Solid	Total BTEX	
880-24509-17	SW27	Total/NA	Solid	Total BTEX	
880-24509-19	C40	Total/NA	Solid	Total BTEX	
880-24509-20	C1	Total/NA	Solid	Total BTEX	
880-24509-21	C2	Total/NA	Solid	Total BTEX	

Prep Batch: 46177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-1	C8	Total/NA	Solid	5035	
MB 880-46177/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46177/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46177/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 46260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-1	C8	Total/NA	Solid	8021B	46177
MB 880-46177/5-A	Method Blank	Total/NA	Solid	8021B	46177
MB 880-46275/5-A	Method Blank	Total/NA	Solid	8021B	46275
LCS 880-46177/1-A	Lab Control Sample	Total/NA	Solid	8021B	46177
LCS 880-46275/1-A	Lab Control Sample	Total/NA	Solid	8021B	46275
LCSD 880-46177/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46177
LCSD 880-46275/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46275

Prep Batch: 46275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-46275/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46275/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46275/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

GC Semi VOA

Analysis Batch: 46062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-21	C2	Total/NA	Solid	8015B NM	46071
MB 880-46071/1-A	Method Blank	Total/NA	Solid	8015B NM	46071
LCS 880-46071/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46071
LCSD 880-46071/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46071

Prep Batch: 46071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-21	C2	Total/NA	Solid	8015NM Prep	
MB 880-46071/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46071/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46071/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-1	C8	Total/NA	Solid	8015 NM	
880-24509-2	C10	Total/NA	Solid	8015 NM	
880-24509-3	C13	Total/NA	Solid	8015 NM	
880-24509-4	C14	Total/NA	Solid	8015 NM	
880-24509-5	C16	Total/NA	Solid	8015 NM	
880-24509-6	C17	Total/NA	Solid	8015 NM	
880-24509-7	C231	Total/NA	Solid	8015 NM	
880-24509-9	C233	Total/NA	Solid	8015 NM	
880-24509-11	C11	Total/NA	Solid	8015 NM	
880-24509-12	SW5	Total/NA	Solid	8015 NM	
880-24509-13	SW24	Total/NA	Solid	8015 NM	
880-24509-14	SW25	Total/NA	Solid	8015 NM	
880-24509-15	C210	Total/NA	Solid	8015 NM	
880-24509-16	SW26	Total/NA	Solid	8015 NM	
880-24509-17	SW27	Total/NA	Solid	8015 NM	
880-24509-19	C40	Total/NA	Solid	8015 NM	
880-24509-20	C1	Total/NA	Solid	8015 NM	
880-24509-21	C2	Total/NA	Solid	8015 NM	

Prep Batch: 46200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-1	C8	Total/NA	Solid	8015NM Prep	
880-24509-2	C10	Total/NA	Solid	8015NM Prep	
880-24509-3	C13	Total/NA	Solid	8015NM Prep	
880-24509-4	C14	Total/NA	Solid	8015NM Prep	
880-24509-5	C16	Total/NA	Solid	8015NM Prep	
880-24509-6	C17	Total/NA	Solid	8015NM Prep	
880-24509-7	C231	Total/NA	Solid	8015NM Prep	
880-24509-9	C233	Total/NA	Solid	8015NM Prep	
880-24509-11	C11	Total/NA	Solid	8015NM Prep	
880-24509-12	SW5	Total/NA	Solid	8015NM Prep	
880-24509-13	SW24	Total/NA	Solid	8015NM Prep	
880-24509-14	SW25	Total/NA	Solid	8015NM Prep	
880-24509-15	C210	Total/NA	Solid	8015NM Prep	
880-24509-16	SW26	Total/NA	Solid	8015NM Prep	
880-24509-17	SW27	Total/NA	Solid	8015NM Prep	
880-24509-19	C40	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

GC Semi VOA (Continued)

Prep Batch: 46200 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-20	C1	Total/NA	Solid	8015NM Prep	
MB 880-46200/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46200/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46200/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24509-1 MS	C8	Total/NA	Solid	8015NM Prep	
880-24509-1 MSD	C8	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-1	C8	Total/NA	Solid	8015B NM	46200
880-24509-2	C10	Total/NA	Solid	8015B NM	46200
880-24509-3	C13	Total/NA	Solid	8015B NM	46200
880-24509-4	C14	Total/NA	Solid	8015B NM	46200
880-24509-5	C16	Total/NA	Solid	8015B NM	46200
880-24509-6	C17	Total/NA	Solid	8015B NM	46200
880-24509-7	C231	Total/NA	Solid	8015B NM	46200
880-24509-9	C233	Total/NA	Solid	8015B NM	46200
880-24509-11	C11	Total/NA	Solid	8015B NM	46200
880-24509-12	SW5	Total/NA	Solid	8015B NM	46200
880-24509-13	SW24	Total/NA	Solid	8015B NM	46200
880-24509-14	SW25	Total/NA	Solid	8015B NM	46200
880-24509-15	C210	Total/NA	Solid	8015B NM	46200
880-24509-16	SW26	Total/NA	Solid	8015B NM	46200
880-24509-17	SW27	Total/NA	Solid	8015B NM	46200
880-24509-19	C40	Total/NA	Solid	8015B NM	46200
880-24509-20	C1	Total/NA	Solid	8015B NM	46200
MB 880-46200/1-A	Method Blank	Total/NA	Solid	8015B NM	46200
LCS 880-46200/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46200
LCSD 880-46200/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46200
880-24509-1 MS	C8	Total/NA	Solid	8015B NM	46200
880-24509-1 MSD	C8	Total/NA	Solid	8015B NM	46200

HPLC/IC

Leach Batch: 45758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-21	C2	Soluble	Solid	DI Leach	
MB 880-45758/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45758/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45758/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 45878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-1	C8	Soluble	Solid	DI Leach	
880-24509-2	C10	Soluble	Solid	DI Leach	
880-24509-3	C13	Soluble	Solid	DI Leach	
880-24509-4	C14	Soluble	Solid	DI Leach	
880-24509-5	C16	Soluble	Solid	DI Leach	
880-24509-6	C17	Soluble	Solid	DI Leach	
880-24509-7	C231	Soluble	Solid	DI Leach	
880-24509-9	C233	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

HPLC/IC (Continued)

Leach Batch: 45878 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-11	C11	Soluble	Solid	DI Leach	
880-24509-12	SW5	Soluble	Solid	DI Leach	
880-24509-13	SW24	Soluble	Solid	DI Leach	
880-24509-14	SW25	Soluble	Solid	DI Leach	
880-24509-15	C210	Soluble	Solid	DI Leach	
880-24509-16	SW26	Soluble	Solid	DI Leach	
880-24509-17	SW27	Soluble	Solid	DI Leach	
880-24509-19	C40	Soluble	Solid	DI Leach	
880-24509-20	C1	Soluble	Solid	DI Leach	
MB 880-45878/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45878/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45878/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24509-1 MS	C8	Soluble	Solid	DI Leach	
880-24509-1 MSD	C8	Soluble	Solid	DI Leach	
880-24509-11 MS	C11	Soluble	Solid	DI Leach	
880-24509-11 MSD	C11	Soluble	Solid	DI Leach	

Analysis Batch: 45913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-21	C2	Soluble	Solid	300.0	45758
MB 880-45758/1-A	Method Blank	Soluble	Solid	300.0	45758
LCS 880-45758/2-A	Lab Control Sample	Soluble	Solid	300.0	45758
LCSD 880-45758/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45758

Analysis Batch: 45914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24509-1	C8	Soluble	Solid	300.0	45878
880-24509-2	C10	Soluble	Solid	300.0	45878
880-24509-3	C13	Soluble	Solid	300.0	45878
880-24509-4	C14	Soluble	Solid	300.0	45878
880-24509-5	C16	Soluble	Solid	300.0	45878
880-24509-6	C17	Soluble	Solid	300.0	45878
880-24509-7	C231	Soluble	Solid	300.0	45878
880-24509-9	C233	Soluble	Solid	300.0	45878
880-24509-11	C11	Soluble	Solid	300.0	45878
880-24509-12	SW5	Soluble	Solid	300.0	45878
880-24509-13	SW24	Soluble	Solid	300.0	45878
880-24509-14	SW25	Soluble	Solid	300.0	45878
880-24509-15	C210	Soluble	Solid	300.0	45878
880-24509-16	SW26	Soluble	Solid	300.0	45878
880-24509-17	SW27	Soluble	Solid	300.0	45878
880-24509-19	C40	Soluble	Solid	300.0	45878
880-24509-20	C1	Soluble	Solid	300.0	45878
MB 880-45878/1-A	Method Blank	Soluble	Solid	300.0	45878
LCS 880-45878/2-A	Lab Control Sample	Soluble	Solid	300.0	45878
LCSD 880-45878/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45878
880-24509-1 MS	C8	Soluble	Solid	300.0	45878
880-24509-1 MSD	C8	Soluble	Solid	300.0	45878
880-24509-11 MS	C11	Soluble	Solid	300.0	45878
880-24509-11 MSD	C11	Soluble	Solid	300.0	45878

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C8

Lab Sample ID: 880-24509-1

Date Collected: 02/06/23 11:00

Matrix: Solid

Date Received: 02/09/23 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	46177	02/13/23 15:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46260	02/14/23 15:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/14/23 18:31	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/14/23 21:42	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 11:19	CH	EET MID

Client Sample ID: C10

Lab Sample ID: 880-24509-2

Date Collected: 02/06/23 11:01

Matrix: Solid

Date Received: 02/09/23 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	46011	02/10/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46074	02/12/23 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/13/23 09:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/14/23 22:47	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 11:38	CH	EET MID

Client Sample ID: C13

Lab Sample ID: 880-24509-3

Date Collected: 02/06/23 11:03

Matrix: Solid

Date Received: 02/09/23 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			4.99 g	5 mL	46011	02/10/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46074	02/12/23 18:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/13/23 09:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/14/23 23:09	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 11:44	CH	EET MID

Client Sample ID: C14

Lab Sample ID: 880-24509-4

Date Collected: 02/06/23 11:04

Matrix: Solid

Date Received: 02/09/23 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			4.99 g	5 mL	46011	02/10/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46074	02/12/23 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/13/23 09:13	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C14

Lab Sample ID: 880-24509-4

Date Collected: 02/06/23 11:04

Matrix: Solid

Date Received: 02/09/23 08:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/14/23 23:31	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 11:50	CH	EET MID

Client Sample ID: C16

Lab Sample ID: 880-24509-5

Date Collected: 02/06/23 11:05

Matrix: Solid

Date Received: 02/09/23 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	46011	02/10/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46074	02/12/23 20:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/13/23 09:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/14/23 23:53	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 11:56	CH	EET MID

Client Sample ID: C17

Lab Sample ID: 880-24509-6

Date Collected: 02/06/23 11:06

Matrix: Solid

Date Received: 02/09/23 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			4.99 g	5 mL	46011	02/10/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46074	02/12/23 20:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/13/23 09:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 00:16	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 12:15	CH	EET MID

Client Sample ID: C231

Lab Sample ID: 880-24509-7

Date Collected: 02/06/23 11:07

Matrix: Solid

Date Received: 02/09/23 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	46011	02/10/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46074	02/12/23 21:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/13/23 09:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 00:38	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C231**Lab Sample ID: 880-24509-7****Date Collected: 02/06/23 11:07****Matrix: Solid****Date Received: 02/09/23 08:26**

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	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 12:21	CH	EET MID

Client Sample ID: C233**Lab Sample ID: 880-24509-9****Date Collected: 02/06/23 11:09****Matrix: Solid****Date Received: 02/09/23 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			5.01 g	5 mL	46011	02/10/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46074	02/12/23 21:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/13/23 09:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 01:22	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 12:33	CH	EET MID

Client Sample ID: C11**Lab Sample ID: 880-24509-11****Date Collected: 02/06/23 15:00****Matrix: Solid****Date Received: 02/09/23 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			4.99 g	5 mL	46011	02/10/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46074	02/12/23 22:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/13/23 09:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 02:29	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 12:45	CH	EET MID

Client Sample ID: SW5**Lab Sample ID: 880-24509-12****Date Collected: 02/07/23 12:00****Matrix: Solid****Date Received: 02/09/23 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	46013	02/10/23 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46089	02/13/23 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/14/23 11:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 02:52	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 13:04	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: SW24

Lab Sample ID: 880-24509-13

Date Collected: 02/07/23 13:00

Matrix: Solid

Date Received: 02/09/23 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			5.01 g	5 mL	46013	02/10/23 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46089	02/13/23 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/14/23 11:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 03:14	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 13:10	CH	EET MID

Client Sample ID: SW25

Lab Sample ID: 880-24509-14

Date Collected: 02/07/23 13:15

Matrix: Solid

Date Received: 02/09/23 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	46013	02/10/23 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46089	02/13/23 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/14/23 11:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 03:36	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 13:29	CH	EET MID

Client Sample ID: C210

Lab Sample ID: 880-24509-15

Date Collected: 02/07/23 14:00

Matrix: Solid

Date Received: 02/09/23 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			4.99 g	5 mL	46013	02/10/23 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46089	02/13/23 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/14/23 11:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 03:58	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 13:35	CH	EET MID

Client Sample ID: SW26

Lab Sample ID: 880-24509-16

Date Collected: 02/07/23 14:15

Matrix: Solid

Date Received: 02/09/23 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			5.05 g	5 mL	46013	02/10/23 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46089	02/13/23 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/14/23 11:13	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: SW26**Lab Sample ID: 880-24509-16****Date Collected: 02/07/23 14:15****Matrix: Solid****Date Received: 02/09/23 08:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 04:20	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 13:41	CH	EET MID

Client Sample ID: SW27**Lab Sample ID: 880-24509-17****Date Collected: 02/07/23 14:16****Matrix: Solid****Date Received: 02/09/23 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	46013	02/10/23 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46089	02/13/23 19:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/14/23 11:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 04:42	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 13:47	CH	EET MID

Client Sample ID: C40**Lab Sample ID: 880-24509-19****Date Collected: 02/07/23 15:30****Matrix: Solid****Date Received: 02/09/23 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	46013	02/10/23 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46089	02/13/23 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/14/23 11:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 05:26	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 13:59	CH	EET MID

Client Sample ID: C1**Lab Sample ID: 880-24509-20****Date Collected: 02/08/23 11:30****Matrix: Solid****Date Received: 02/09/23 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			4.99 g	5 mL	46013	02/10/23 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46089	02/13/23 20:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/14/23 11:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/15/23 09:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46200	02/13/23 16:59	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46269	02/15/23 05:48	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Client Sample ID: C1
Date Collected: 02/08/23 11:30
Date Received: 02/09/23 08:26

Lab Sample ID: 880-24509-20
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			5.02 g	50 mL	45878	02/09/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			45914	02/10/23 14:05	CH	EET MID

Client Sample ID: C2
Date Collected: 02/08/23 11:31
Date Received: 02/09/23 08:26

Lab Sample ID: 880-24509-21
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	46013	02/10/23 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46089	02/13/23 20:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46096	02/14/23 11:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			46184	02/13/23 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46071	02/12/23 09:13	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46062	02/13/23 06:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45758	02/09/23 10:00	KS	EET MID
Soluble	Analysis	300.0		10			45913	02/10/23 17:29	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: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

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: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

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

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Hayhurst Pond 2

Job ID: 880-24509-1
SDG: 22-0107-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24509-1	C8	Solid	02/06/23 11:00	02/09/23 08:26
880-24509-2	C10	Solid	02/06/23 11:01	02/09/23 08:26
880-24509-3	C13	Solid	02/06/23 11:03	02/09/23 08:26
880-24509-4	C14	Solid	02/06/23 11:04	02/09/23 08:26
880-24509-5	C16	Solid	02/06/23 11:05	02/09/23 08:26
880-24509-6	C17	Solid	02/06/23 11:06	02/09/23 08:26
880-24509-7	C231	Solid	02/06/23 11:07	02/09/23 08:26
880-24509-9	C233	Solid	02/06/23 11:09	02/09/23 08:26
880-24509-11	C11	Solid	02/06/23 15:00	02/09/23 08:26
880-24509-12	SW5	Solid	02/07/23 12:00	02/09/23 08:26
880-24509-13	SW24	Solid	02/07/23 13:00	02/09/23 08:26
880-24509-14	SW25	Solid	02/07/23 13:15	02/09/23 08:26
880-24509-15	C210	Solid	02/07/23 14:00	02/09/23 08:26
880-24509-16	SW26	Solid	02/07/23 14:15	02/09/23 08:26
880-24509-17	SW27	Solid	02/07/23 14:16	02/09/23 08:26
880-24509-19	C40	Solid	02/07/23 15:30	02/09/23 08:26
880-24509-20	C1	Solid	02/08/23 11:30	02/09/23 08:26
880-24509-21	C2	Solid	02/08/23 11:31	02/09/23 08:26

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Varson & Associates, Inc.
Environmental Consultants

507 N. Marientfield, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE 2/9/23 PO# 22-0107-01 LAB WORK ORDER# 2 PAGE 1 OF 2
PROJECT LOCATION OR NAME Hayhurst Pond 2 COLLECTOR STH
LAI PROJECT # 22-0107-01

24509
CHAIN-OF-CUSTODY
No. 2931

TRRP report? ☐ Yes ☒ No	S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	PRESERVATION HCl HNO ₃ H ₂ SO ₄ ☐ NaOH ☐ ICE UNPRESERVED		ANALYSES BTEX-MTBE ☐ TPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ TCDF - METALS (RCRA) ☐ TCDF VOC ☐ TOTAL METALS (RCRA) ☐ SEMI-VOC ☐ LEAD - TOTAL ☐ DW 200.8 ☐ TCDF ☐ RCDF ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ pH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PENTACHLORATE ☐ CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐	
TIME ZONE Time zone/State	Field Sample ID	Lab #	Date	Time	Matrix	# of Containers
MT/NTM						
C8			2-6-23	1100	S	1
C10				1101		
C13				1103		
C14				1104		
C16				1105		
C17				1106		
C231				1107		
C232				1108		
C233				1109		
C234				1110		
C11			2-6-23	1500		
SW5			2-7-23	1200		
SW24				1300		
SW25				1315		
C210			2-7-23	1400	S	1
TOTAL	15					
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
LABORATORY	Turn Around Time	LABORATORY USE ONLY:	RECEIVING TEMP	CUSTOMER USE ONLY:	CARRIER BILL #	NOT USED



880-24509 Chain of Custody

24509

No. 2932

CHAIN-OF-CUSTODY

DATE 2/9/2023 PAGE 2 OF 2

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME: Mayhurst Pond 2

LAI PROJECT # 72-0107-01 COLLECTOR JH

2/27/2023 (Rev. 10/2019)

TRRP report?		S=SOIL W=WATER A=AIR		P=PAINT SL=SLUDGE OT=OTHER	
☐ Yes ☒ No					
TIME ZONE Time zone/State					
MNL/M					
Field Sample I D	Lab #	Date	Time	Matrix	# of Containers
SW26		2-7-23	1415	S	1
SW27			1416		
C235			1500		
C40		2-7-23	1530		
C1		2-8-23	1130		
C2		2-8-23	1131	S	1
TOTAL 6					
RELINQUISHED BY (Signature)		DATE/TIME		RECEIVED BY (Signature)	
		9/19/23 0514		9/19/23	
RELINQUISHED BY (Signature)		DATE/TIME		RECEIVED BY (Signature)	
RELINQUISHED BY (Signature)		DATE/TIME		RECEIVED BY (Signature)	
LABORATORY		Xenia			
PRESERVATION					
HCl					
HNO ₃					
H ₂ SO ₄ ☐ NaOH ☐					
ICE					
UNPRESSERVED					
ANALYSES					
BTEX ☐ MTBE ☐					
TRPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐					
GASOLINE MOD 8015 ☐					
DIESEL MOD 8015 ☐					
OIL MOD 8015 ☐					
VOC 8260 ☐					
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐					
8081 PESTICIDES ☐ 8151 HERBICIDES ☐					
8082 PCBs ☐					
TCLP - METALS (RCRA) ☐ TCLP VOC ☐					
TCLP - PEST ☐ HERB ☐ Semi-VOC ☐					
TOTAL METALS (RCRA) ☐ OTHER LIST ☐					
LEAD - TOTAL ☐ DW 200.8 ☐ TCLP ☐					
RQ ☐ TOX ☐ FLASHPOINT ☐					
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐					
pH ☐ HEXAVALENT CHROMIUM ☐					
EXPLOSIVES ☐ PETCHLORATE ☐					
CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐					
FIELD NOTES					

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24509-1

SDG Number: 22-0107-01

Login Number: 24509**List Number: 1****Creator: Teel, Brianna****List Source: Eurofins Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Appendix F
Photographs

Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Impacted area viewing west, January 25, 2022

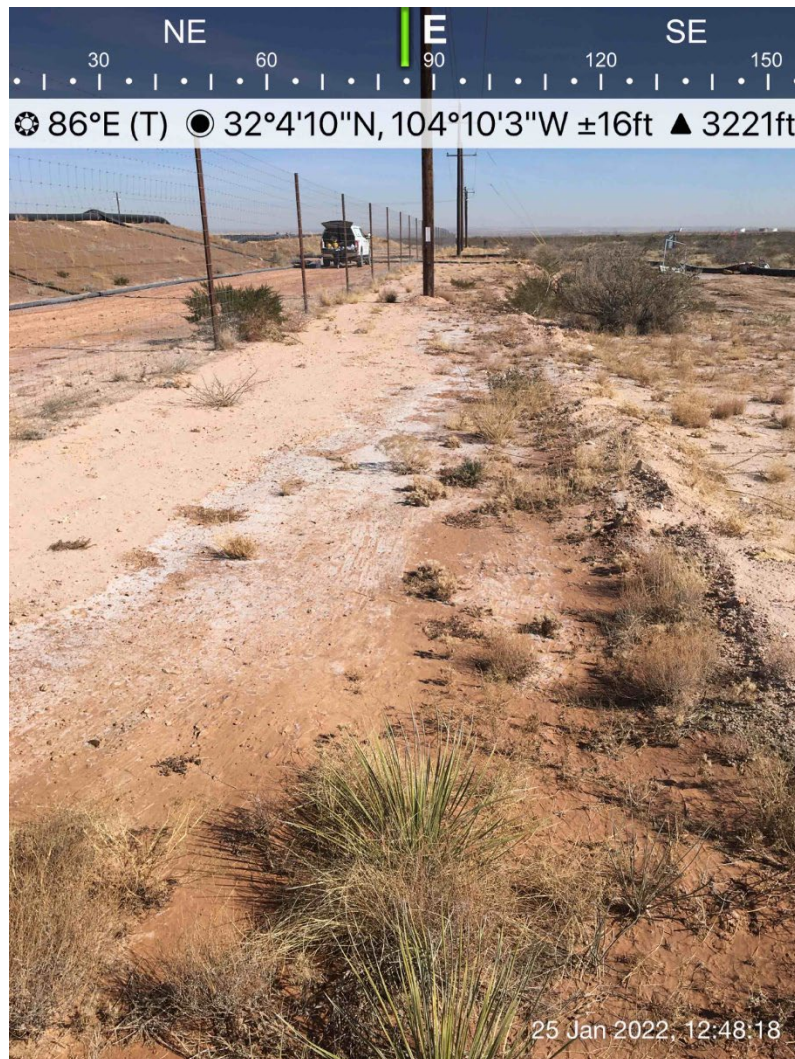
Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Impacted area viewing east, January 25, 2022

Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Impacted area viewing east, January 25, 2022



Impacted area viewing southeast, January 25, 2022

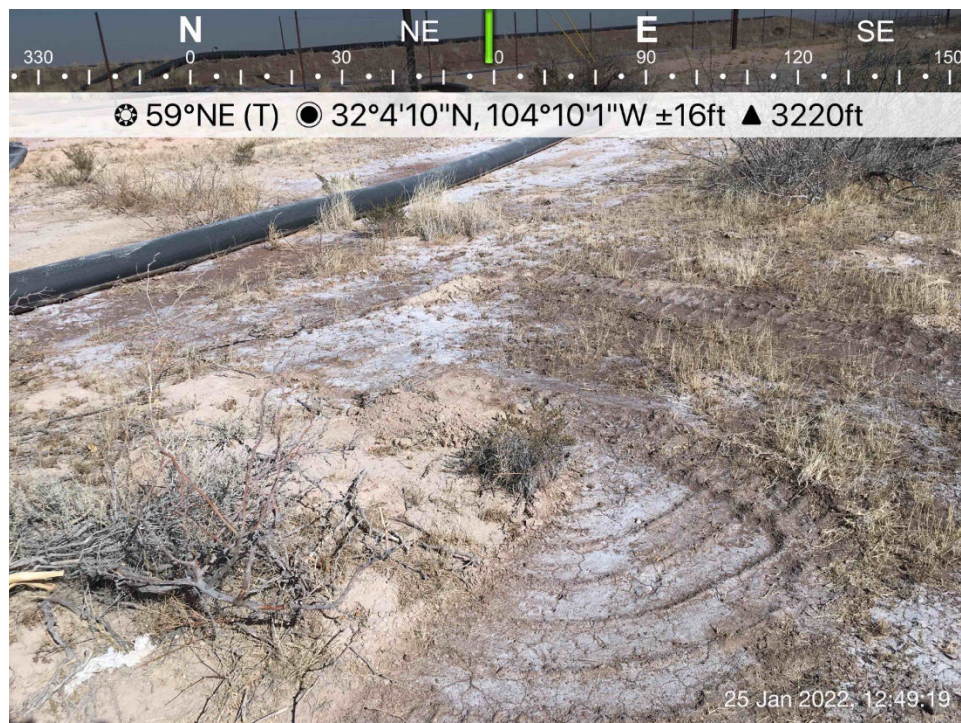
Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Impacted area viewing northeast, January 25, 2022



Impacted area viewing east, January 25, 2022

Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Impacted area viewing east, January 25, 2022

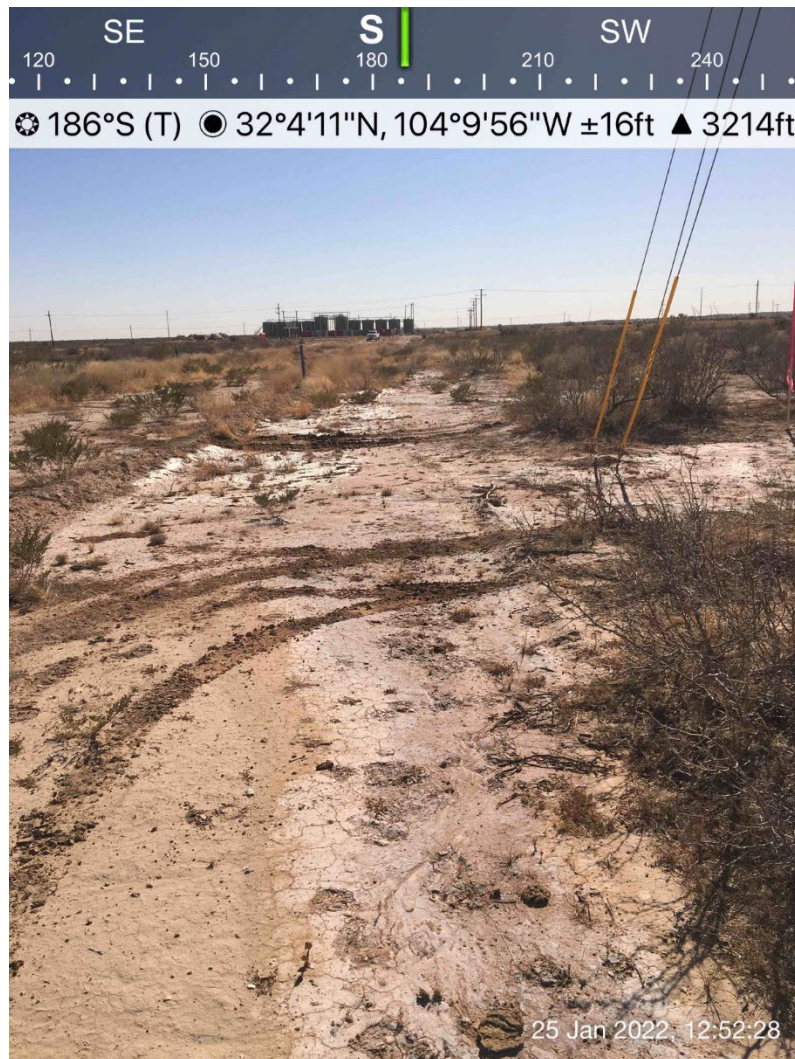
Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Impacted area viewing south, January 25, 2022

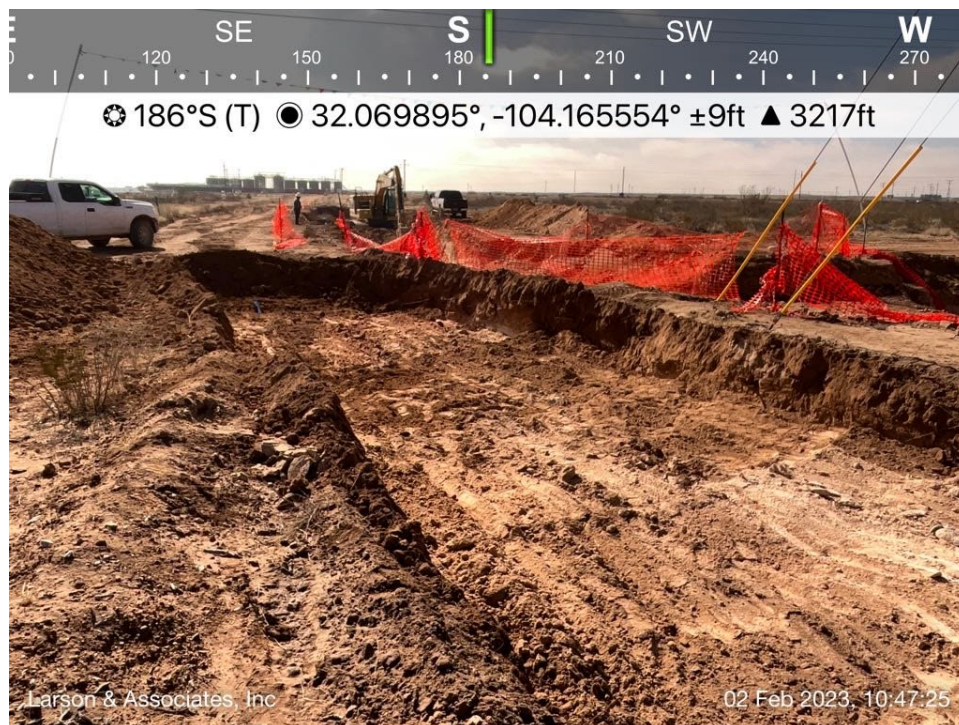
Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Excavated east area viewing south, February 2, 2023



Excavated east area viewing north, February 2, 2023

Tracking Number: nAPP2202551635

Interim Closure Report

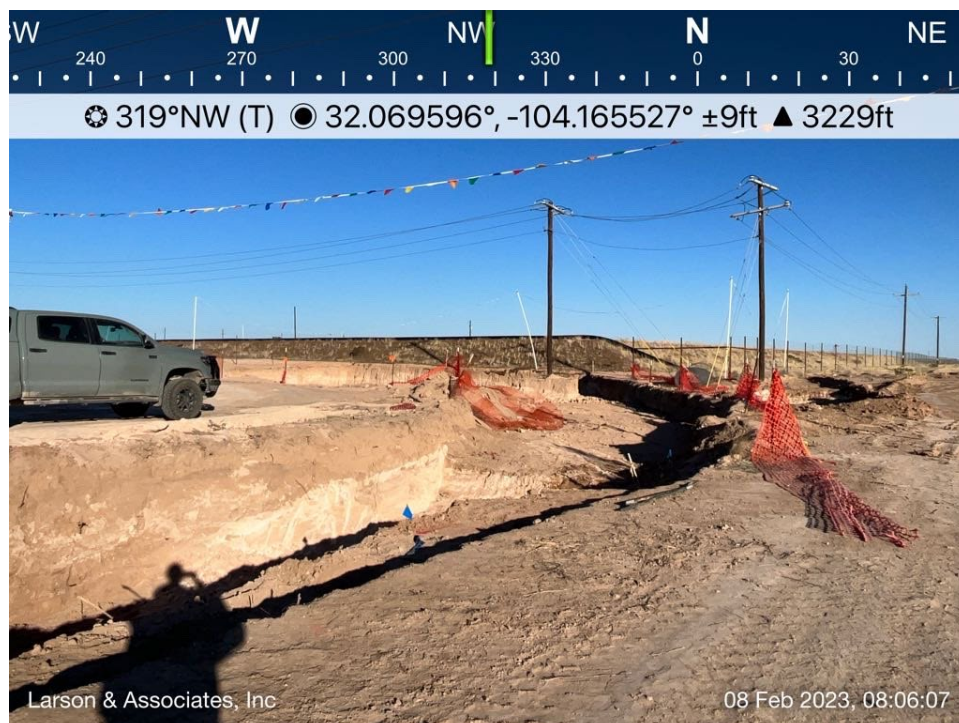
HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Excavated east area viewing north, February 8, 2023



Excavated east area viewing northwest, February 8, 2023

Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Excavated east area viewing west, February 8, 2023



Excavated east area viewing west, February 8, 2023

Tracking Number: nAPP2202551635
Interim Closure Report
HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC
Produced Water Release
May 10, 2023



Excavated east area viewing west, February 8, 2023



Excavated east area viewing southwest, February 8, 2023

Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Excavated east area viewing southwest, February 8, 2023



Excavated east area viewing east, February 8, 2023

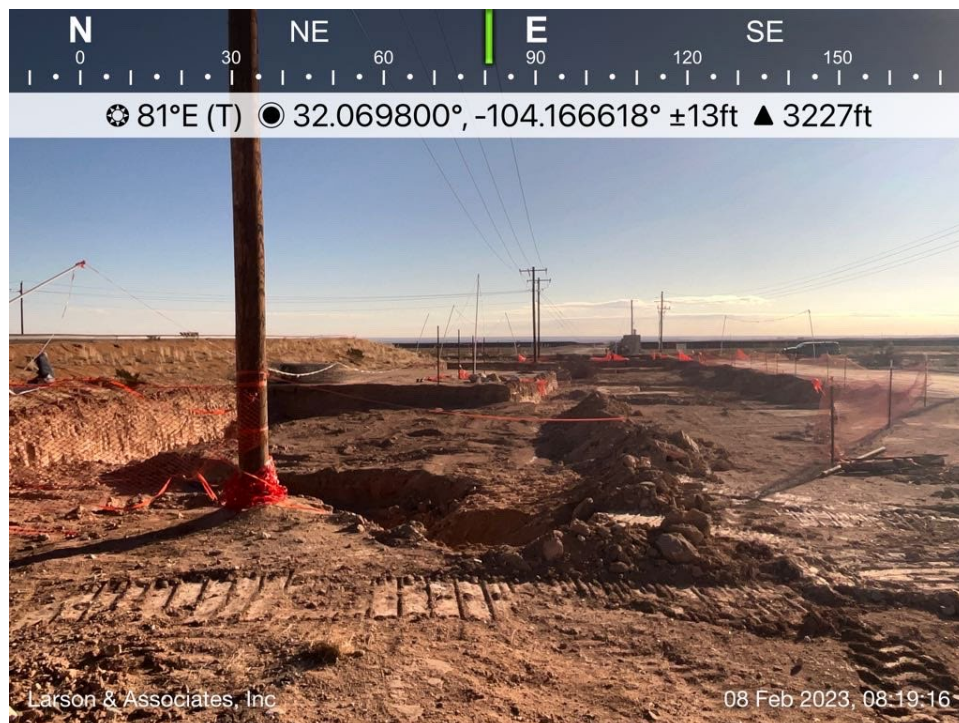
Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Excavated east area viewing east, February 8, 2023



Excavated west area viewing west, February 8, 2023

Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Excavated west area viewing southeast, February 8, 2023



Excavated west area viewing east, February 8, 2023

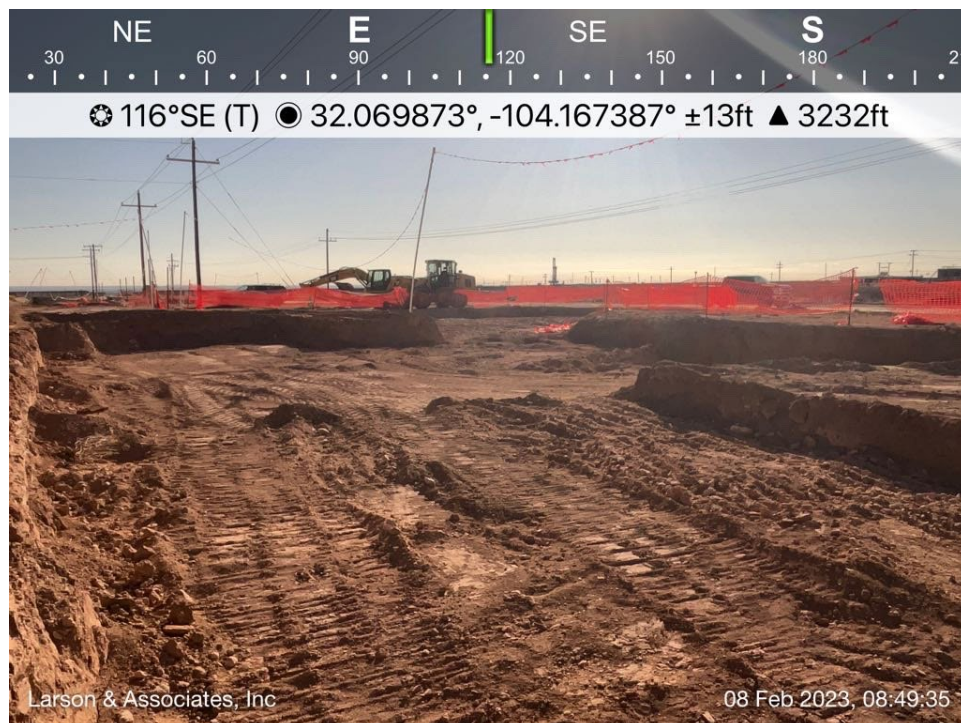
Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Excavated west area viewing southeast, February 8, 2023



Excavated north area viewing north, February 8, 2023

Tracking Number: nAPP2202551635

Interim Closure Report

HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC

Produced Water Release

May 10, 2023



Excavated north area viewing northeast, February 8, 2023



Excavated area viewing south, February 8, 2023

Tracking Number: nAPP2202551635
Interim Closure Report
HHNM Section 2 RWCS Frac Pond, Breakwater Energy Partners, LLC
Produced Water Release
May 10, 2023



Excavated area viewing south, February 8, 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 217234

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 217234
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The liner installation at seven sample locations (C-1, C-10, C-12, C-14, C-61, C-64, and C-80) is approved. Breakwater's deferral requests to complete final remediation during any future major construction/alteration or final abandonment, whichever occurs first. Larson & Associates and Breakwater do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The area requested for deferral is the impacted soil around facility infrastructure shown on Figure 8a, 8b, and 8c of the report, which includes sample areas (SW-6, SW-8, SW-17, SW-21, SW-40, and SW41). The areas have been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	10/16/2023