

Incident ID: nAPP2500352289
Delineation Report and Remediation Plan
Eidson 23 #1
Produced Water Release
Lea County, New Mexico

Latitude: N 32.90528°
Longitude: W 103.43396°

LAI Project No. 23-0111-01

December 16, 2024

Prepared for:
V-F Petroleum Inc.
500 W. Texas Ave, Suite 350
Midland, Texas 79701

Prepared by:
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1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this delineation report and remediation plan on behalf of V-F Petroleum Inc. (V-F) for submittal to the New Mexico Oil Conservation Division (NMOCD) District I in Hobbs, New Mexico, for a produced water release at the Eidson 23 #1 (Site) located in Unit L (NW/4 of SW/4), Section 23, Township 16 South, Range 35 East in Lea County, New Mexico. The geodetic position is North 32.90528, West 103.43396. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on April 15, 2023, and was the result of release from the produced water tank. An unknown volume of fluid was released, and no fluid was recovered. The spill covers an area of approximately 11,000 square feet (0.25 acres) on privately owned land. The notification of release was submitted to NMOCD on January 3, 2025, and was assigned incident number nAPP2500352289. Appendix A presents the Notification of Release.

1.2 Physical Setting

The physical setting is as follows:

- Surface elevation is approximately 3,976 feet above mean sea level (msl).
- Surface topography slopes gently to the southeast.
- The nearest continuously flowing water course (Pecos River) is located about 52 miles to the northeast.
- The nearest lakebed, sinkhole, or playa lake is located about 0.56 miles to the southwest.
- The nearest wetland is located about 0.56 miles to the southwest.
- The nearest subsurface mine is located about 31 miles to the southwest.
- The nearest 100-year flood plain is located 0.45 miles to the northeast.
- The nearest water well for less than five households and/or stock watering is located about 0.22 miles to the southwest.
- USGS karst occurrence potential data designates the area as low risk.
- Soil in the spill area are designated as the Mansker loam and typical profile consists of nine inches of loam, underlain by 71 inches clay loam.
- The Ogallala Formation (lower Pliocene to middle Miocene) is the uppermost geologic unit and is composed of alluvial and eolian deposits, and petrocalcic soils of the southern High Plains.
- Groundwater occurs 48.67 feet below ground surface (bgs), based on a soil boring (S-5) drilled at the Site on March 19, 2024, and gauged greater than 72 hours after completion.

Appendix B presents a karst potential map. Appendix C presents the S-5 boring log.

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1.3 Remediation Standards

The following delineation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC for groundwater less than 51 feet bgs:

Parameter	Limit
Benzene	10 mg/Kg
BTEX	50 mg/Kg
TPH	100 mg/Kg
Chloride	600 mg/Kg

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

2.0 DELINEATION

On June 10, 2023, LAI personnel used a stainless-steel hand auger to collect soil samples from ten (10) locations, including six (6) locations inside the spill area (S-1 through S-6) and four locations outside the spill area (S-7 through S-10). Samples inside of spill area were collected at one (1), two (2), three (3) and four (4) feet bgs depending on subsurface conditions. Samples outside of the spill area were collected from 0 to 0.5 bgs feet bgs.

The samples were delivered under chain-of-custody and preservation to Eurofins-Xenco Laboratories (Xenco) in Midland, Texas. Xenco analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA SW-846 Method 8021B, total petroleum hydrocarbons (TPH), including gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) by Method 8015M, and chloride by EPA Method 300.

Benzene, BTEX, TPH, and/or chloride exceeded NMOCD standards outlined in Table 1 of 19.15.29 NMAC of 10 mg/Kg, 50 mg/Kg, 100 mg/Kg, and 600 mg/Kg, respectively, in the lowermost sample collected from the following locations:

Sample ID	Depth (ft)	Benzene (mg/Kg)	BTEX (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
S-1	3	257	2320	33,000	65.7
S-2	3	42.8	481	5,320	366
S-3	3	<0.0401	0.872	83.9	4,340
S-4	4	<0.199	3.24	562	1,290
S-5	1	370	2,200	23,000	619
S-6	1	274	1,780	22,400	9,160

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On August 14, 2023, LAI personnel used a Geoprobe® 7822DT direct push rig to further delineate six (6) sample locations with parameter concentrations above NMOCD closure criteria, including locations S-1 through S-6. Samples were collected at three (3), five (5), ten (10), and fourteen (14) feet bgs, depending on subsurface conditions. An additional four (4) samples (S-12 through S-15) were collected outside of the spill area, from 0 to 1-foot bgs. Xenco analyzed the samples and reported that the lowermost sample from all locations were below delineation limits for benzene, BTEX, and TPH. Chloride was above delineation limits in the lowermost sample in locations S-3 (2,270 mg/kg) and S-5 (3,460 mg/kg).

On March 19, 2024, Scarbrough Drilling, Inc. (SDI), under the supervision of LAI, further delineated chloride at sample locations S-3 and S-5 with an air rotary drilling rig. Samples were collected every five (5) feet between five (5) and twenty (20) feet bgs. Xenco analyzed the samples for chloride and reported concentrations that the lowermost samples from locations S-3 and S-5 below the delineation limit for all parameters, demonstrating that the release was fully delineated based on the NMOCDs most restrictive delineation limits. Figure 2 presents a map showing the sample locations. Table 2 presents the delineation soil sample analytical data. Appendix D presents the laboratory reports.

3.0 REMEDIATION PLAN

V-F proposes the following remedial actions:

- Excavate about 2,954 cubic yards of soil from an area of approximately 13,655 square feet, at depths varying between four (4) and eight (8) feet bgs, including:
 - 6,261 square feet from the area encompassing S-2 to a depth of about 4 feet bgs.
 - 1,691 square feet from the area encompassing S-1 to a depth of about 5 feet bgs.
 - 5,702 square feet from the area encompassing S-4, S-5, S-6 to a depth of about 8 feet bgs.
- Sample areas will be field tested for chloride and TPH during excavation to determine if additional soil will need to be removed.
- Collect about 103 five-point composite confirmation soil samples from the bottom and side-walls of the excavation, or approximately every 200 square feet.
- Analyze confirmation soil samples for BTEX, TPH, and chloride, by NMOCD approved methods.
- Backfill excavation with clean topsoil to surface level, assuming samples are below NMOCD closure criteria.
- Seed the backfilled areas with seed approved by the landowner.
- Prepare closure report for submission to the NMOCD.

A closure report will be submitted to the NMOCD upon completion of the remediation. V-F respectfully requests your approval of the remediation plan.

Tables

Table 1

Delineation Soil Sample Analytical Data Summary
V-F Petroleum, Eidson 23 #1
Lea County, New Mexico
32.01973, -104.14068

Sample ID	Depth Feet	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limits:				10	50				100	600
S-1	1	05/10/2023	In-Situ	170	2,460	9,977	17,500	1,830	29,100	54.5
S-1	2	05/10/2023	In-Situ	286	2,440	12,000	18,500	1,820	32,300	85.0
S-1	3	05/10/2023	In-Situ	257	2,320	12,800	18,100	2,110	33,000	65.7
S-1	5	08/14/2023	In-Situ	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	108
S-2	1	05/10/2023	In-Situ	169	1,780	7,170	12,500	1,380	21,100	172
S-2	2	05/10/2023	In-Situ	45.5	430	910	1,790	187	2,890	342
S-2	3	05/10/2023	In-Situ	42.8	481	1,380	3,530	400	5,310	366
S-2	5	08/14/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	65.3
S-2	10	08/14/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	35.4
S-3	1	05/10/2023	In-Situ	7.71	344	1,430	4,220	436	6,150	5,100
S-3	2	05/10/2023	In-Situ	0.2060	14.4	77.4	740	68.3	886	5,690
S-3	3	05/10/2023	In-Situ	<0.0401	0.8720	<49.8	83.9	<49.8	83.9	4,340
S-3	3	08/14/2023	In-Situ	<0.00199	<0.00398	<50.4	55.6	<50.4	55.6	2,140
S-3	4	08/14/2023	In-Situ	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5	2,270
S-3	5	03/19/2024	In-Situ	0.0010	0.0552	90.4	522	58.8	671	288
S-3	10	03/19/2024	In-Situ	<0.00106	<0.00213	30.7	28.8	<26.6	59.5	150
S-3	15	03/19/2024	In-Situ	<0.00103	<0.00206	39.7	251	<25.8	291	226
S-3	20	03/19/2024	In-Situ	<0.00108	<0.00215	29.6	<26.9	<29.9	29.6	198
S-3	25	03/19/2024	In-Situ	<0.00106	<0.00213	29.8	251	47.7	329	180
S-3	30	03/19/2024	In-Situ	<0.00104	<0.00208	<26.0	46.8	<26.0	46.8	46.8
S-3	35	03/19/2024	In-Situ	<0.00104	<0.00208	32.2	<26.0	<26.0	32.2	<1.04
S-4	1	05/10/2023	In-Situ	61.4	1,410	7,240	23,200	1,920	32,400	5,670
S-4	2	05/10/2023	In-Situ	0.2030	2.50	<49.9	224	<49.9	224	3,450
S-4	3	05/10/2023	In-Situ	<0.0396	0.3740	<50.0	183	<50.0	183	1,930
S-4	4	05/10/2023	In-Situ	<0.199	3.24	<50.0	562	<50.0	562	1,290
S-4	5	08/14/2023	In-Situ	<0.00198	<0.00397	<49.6	<49.6	<49.6	<49.6	964
S-4	10	08/14/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	91.5
S-5	1	05/10/2023	In-Situ	370	2,200	7,860	13,600	1,530	23,000	619
S-5	3	08/14/2023	In-Situ	2.05	674	5,130	9,430	468	15,000	2,550
S-5	5	08/14/2023	In-Situ	<0.101	3.44	109	904	<50.3	1,010	4,250
S-5	6	08/14/2023	In-Situ	<0.00199	<0.00398	<50.2	94.3	<50.2	94.3	3,460

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Lea County, New Mexico
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Sample ID	Depth Feet	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limits:				10	50				100	600
S-5	5	03/19/2024	In-Situ	<0.00106	<0.00213	26.8	<26.6	<26.6	26.8	1,800
S-5	10	03/19/2024	In-Situ	<0.00105	<0.00211	30.0	<26.3	<26.3	30.0	434
S-5	15	03/19/2024	In-Situ	<0.00110	<0.00220	50.4	<27.5	<27.5	50.4	417
S-5	20	03/19/2024	In-Situ	<0.00114	<0.00227	31.3	<28.4	<28.4	31.3	301
S-5	25	03/19/2024	In-Situ	<0.00109	<0.00217	29.8	<27.2	<27.2	29.8	265
S-6	1	05/10/2023	In-Situ	274	1,780	6,310	14,800	1,250	22,400	9,160
S-6	3	08/14/2023	In-Situ	<0.100	108	1,250	2,950	135	4,340	5,730
S-6	5	08/14/2023	In-Situ	<0.00198	0.0047	69.3	<50.1	<50.1	69.3	8,820
S-6	10	08/14/2023	In-Situ	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	272
S-6	14	08/14/2023	In-Situ	<0.00202	0.0153	<50.5	<50.5	<50.5	<50.5	495
S-7	0-0.5	05/10/2023	In-Situ	0.2510	1.71	<50.0	<50.0	<50.0	<50.0	86.0
S-7	0.5-1	05/10/2023	In-Situ	<0.0101	0.0486	<50.0	<50.0	<50.0	<50.0	52.4
S-8	0-0.5	05/10/2023	In-Situ	0.1340	1.65	<49.9	<49.9	<49.9	<49.9	48.6
S-9	0-0.5	05/10/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	46.5
S-9	0.5-1	05/10/2023	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	153
S-10	0-0.5	05/10/2023	In-Situ	<0.00202	<0.00403	<49.8	51.1	<49.8	51.1	50.1
S-10	0.5-1	05/10/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	111
S-12	0 - 1	08/14/2023	In-Situ	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	35.5
S-13	0 - 1	08/14/2023	In-Situ	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4	45.6
S-14	0 - 1	08/14/2023	In-Situ	<0.00202	<0.00403	<49.6	<49.6	<49.6	<49.6	48.4
S-15	0 - 1	08/14/2023	In-Situ	<0.00199	<0.00398	<49.5	<49.5	<49.5	<49.5	71.9

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Sample ID	Depth Feet	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limits:				10	50				100	600

Notes:

Analysis performed by Eurofins-Xenco (Xenco), in Midland, Texas, by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and EPA Method 300 (chloride).

BTEX: benzene, toluene, ethylbenzene, xylene

TPH: total petroleum hydrocarbons

GRO: gasoline range organics (C6-C10)

DRO: diesel range organics (>C10-C28)

MRO: oil range organics (>C28-C36)

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

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

Depth reported in feet below ground surface (bgs)

Bold and highlighted indicates parameter concentration is above NMOCD closure criteria

Figures



Figure 1 - Topographic Map



Figure 2 - Aerial Map

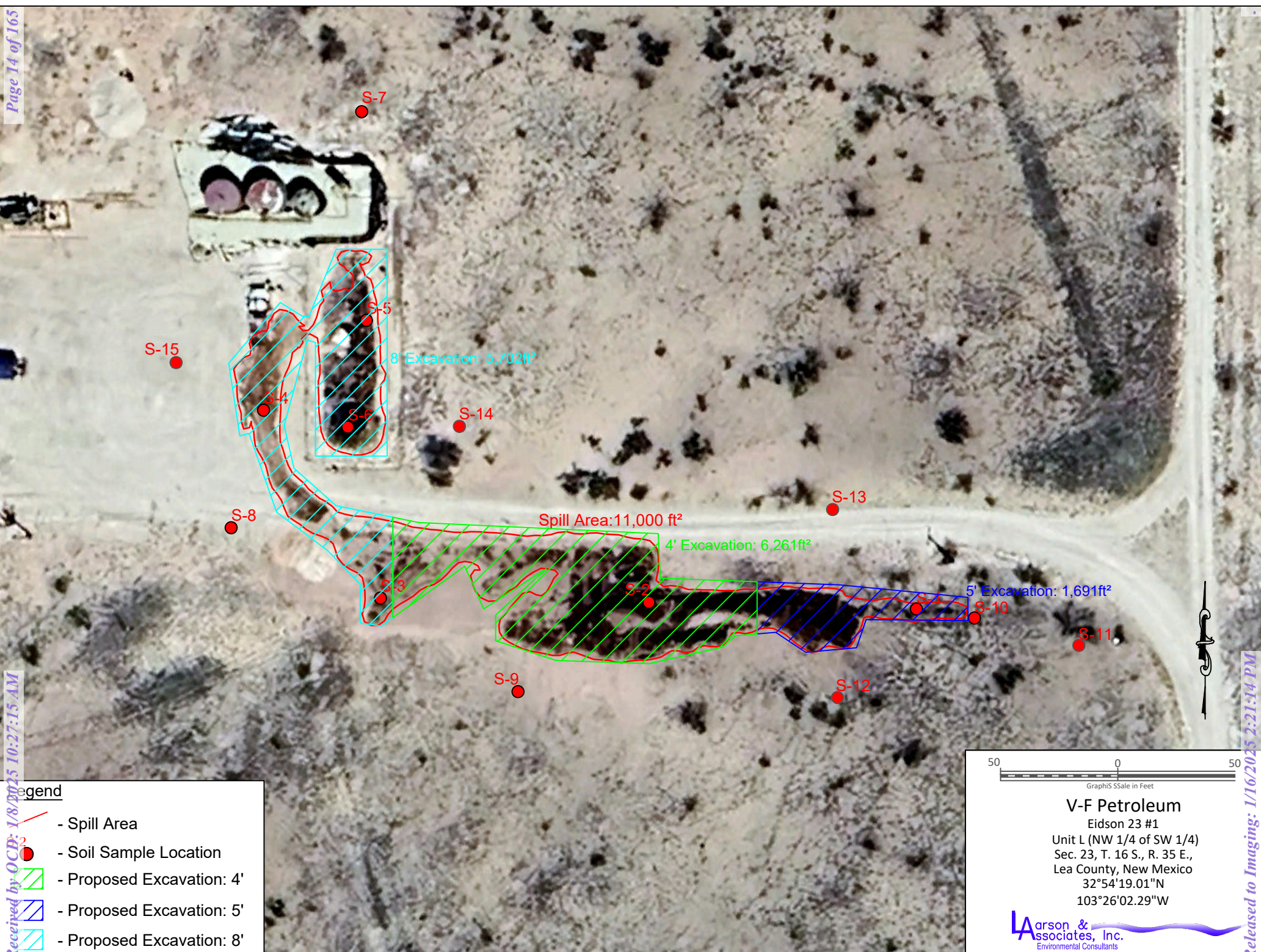


Figure 3 - Aerial Map Showing Proposed Excavation Areas

Appendix A
Notification of Release

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 368434

QUESTIONS

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 368434
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Eidson 23 # 1
Date Release Discovered	04/15/2023
Surface Owner	Private

Incident Details <i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 368434

QUESTIONS (continued)

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 368434
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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ACKNOWLEDGMENTS

Action 368434

ACKNOWLEDGMENTS

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 368434
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	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.
☒	I acknowledge the fact that 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.
☒	I acknowledge the fact that, 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.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 368434

CONDITIONS

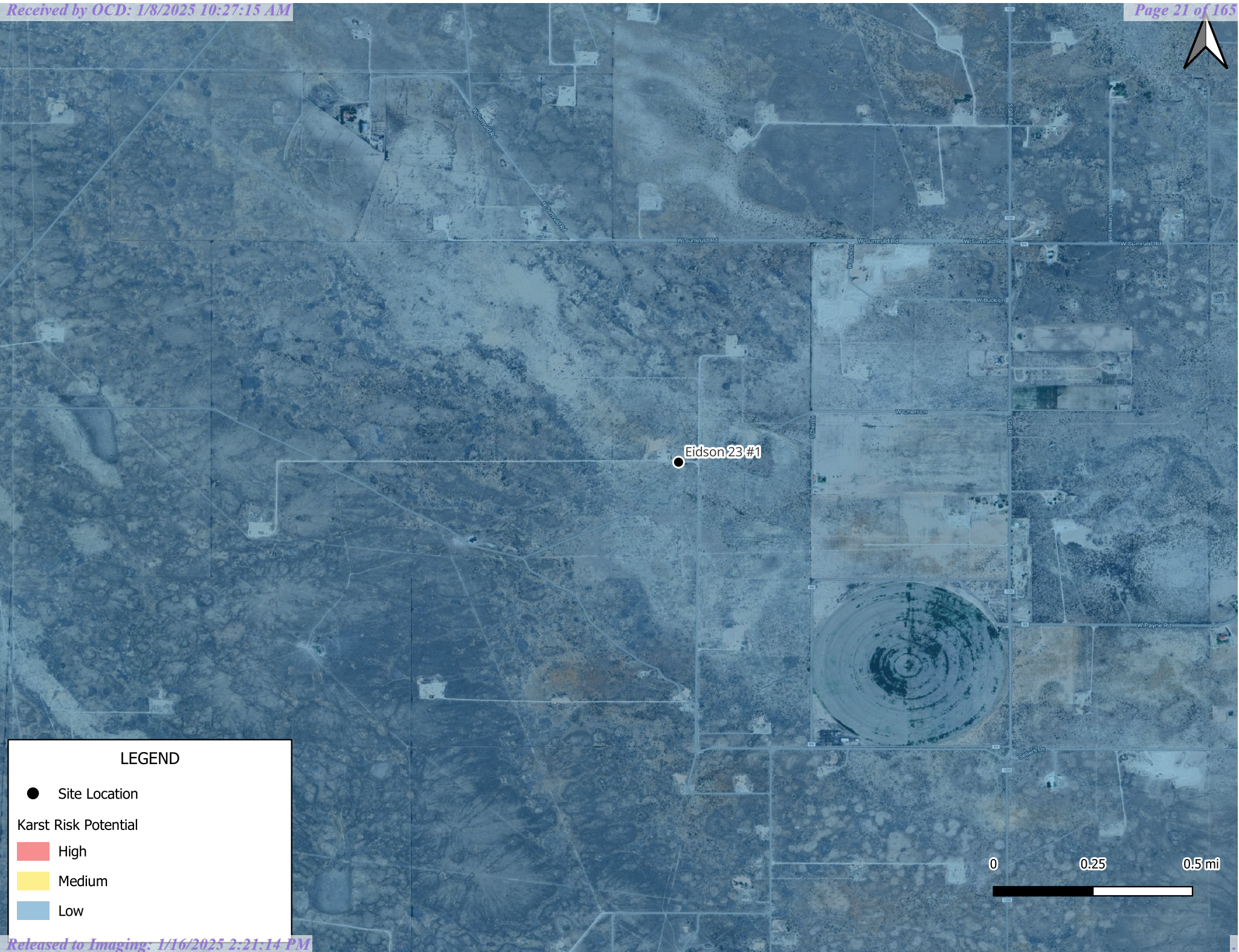
Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 368434
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jordanshaw	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/3/2025

Appendix B

Karst Risk Potential



Appendix C

Soil Boring Log

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 12:18 Finish: 14:19 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS		
					PPM X _____										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING SOIL : _____ PPM SOIL : _____ PPM	
					2	4	6	8	10	12	14	16	18							
	0	Caliche, 7.5YR 8/3, Pink, Poorly Sorted																		
	5		Caliche																	
	10																			
	15	Sandy Clay, 7.5YR 6/3, Light Brown, Moderately Sorted, Fine Grained Quartz Sand, Well Rounded	CL																	
	20	Quartzite, 7.5YR 7/3, Pink	Qtz																	
	25																			
	30	Quartz Sand, 7.5YR 6/3, Light Brown, Fine Grained Quartz Sand, Well Sorted, Well Rounded																		
	35																			
	40		SW																	
	45																			
	50																			
	55	TD: 56'																		
	60																			
	65																			

48.67'

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 : V-F Petroleum/ 23-0111-01
HOLE DIAMETER : 5"
LOCATION : Eidson 23 #1
LAI GEOLOGIST : R. Nelson
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

DRILL DATE : 03/19/2024

BORING NUMBER : S-5

Appendix D

Laboratory Reports



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/19/2023 11:03:49 AM

JOB DESCRIPTION

V-F Petroleum Eidson 23
SDG NUMBER 23-0111-02

JOB NUMBER

880-28315-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
5/19/2023 11:03:49 AM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Laboratory Job ID: 880-28315-1
SDG: 23-0111-02

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, 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: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Job ID: 880-28315-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-28315-1

Receipt

The samples were received on 5/11/2023 8:05 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 -10.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-1, 1' (880-28315-1), C-1, 2' (880-28315-2), C-1, 3' (880-28315-3), C-2, 1' (880-28315-4), C-2, 2' (880-28315-5), C-2, 3' (880-28315-6), C-3, 1' (880-28315-7), C-3, 2' (880-28315-8), C-3, 3' (880-28315-9), C-4, 1' (880-28315-10), C-4, 2' (880-28315-11), C-4, 3' (880-28315-12), C-5, 1' (880-28315-13), C-6, 1' (880-28315-14), C-7, 0-.5' (880-28315-15), C-7, .5'-1' (880-28315-16), C-8, 0-.5' (880-28315-17), C-9, 0-.5' (880-28315-18), C-9, .5'-1' (880-28315-19), C-10, 0-.5' (880-28315-20), C-10, .5'-1' (880-28315-21) and C-4, 4' (880-28315-22).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53105 recovered above the upper control limit for Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-1, 1' (880-28315-1), C-1, 2' (880-28315-2), C-1, 3' (880-28315-3), C-2, 1' (880-28315-4), C-2, 2' (880-28315-5), C-2, 3' (880-28315-6), C-3, 1' (880-28315-7), C-3, 2' (880-28315-8) and C-3, 3' (880-28315-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-53137 and analytical batch 880-53101 recovered outside control limits for the following analytes: o-Xylene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-53137 and analytical batch 880-53101 was outside the control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53200 recovered above the upper control limit for 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. The associated samples are impacted: (CCV 880-53200/20) and (CCV 880-53200/33).

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-4, 1' (880-28315-10), C-9, 0-.5' (880-28315-18) and C-9, .5'-1' (880-28315-19). 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 880-53101 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene. Another CCV was analyzed and acceptable within the 12 hour window, therefore, the data was qualified and reported.

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-53203 and analytical batch 880-53101 recovered outside control limits for the following analytes: m,p-Xylenes and o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-5, 1' (880-28315-13), C-6, 1' (880-28315-14) and C-7, 0-.5' (880-28315-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-53203/1-A) and (MB 880-53203/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53334 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Job ID: 880-28315-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-1, 1' (880-28315-1), C-1, 2' (880-28315-2), C-1, 3' (880-28315-3), C-2, 2' (880-28315-5) and C-2, 3' (880-28315-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-53272 and analytical batch 880-53334 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53491 and analytical batch 880-53488 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-53541 and analytical batch 880-53540 recovered outside control limits for the following analytes: Toluene. The LCS will show recovery for the batch.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-7, .5'-1' (880-28315-16). 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-4, 3' (880-28315-12). 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 880-53494 and analytical batch 880-53673 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-1, 1' (880-28315-1). 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 880-53232 and analytical batch 880-53193 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-1, 2' (880-28315-2), C-4, 1' (880-28315-10) and C-6, 1' (880-28315-14). 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-1, 3' (880-28315-3), C-2, 1' (880-28315-4) and C-5, 1' (880-28315-13). 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 880-53303 and analytical batch 880-53316 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-53303/2-A) and (LCSD 880-53303/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-10, .5'-1' (880-28315-21) and C-4, 4' (880-28315-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Job ID: 880-28315-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-53261 and analytical batch 880-53393 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: C-10, .5'-1' (880-28315-21) and C-4, 4' (880-28315-22).

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: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-1, 1'

Lab Sample ID: 880-28315-1

Date Collected: 05/10/23 11:00

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	170	++	10.1	mg/Kg		05/12/23 14:20	05/15/23 18:06	5000
Toluene	1080		10.1	mg/Kg		05/12/23 14:20	05/15/23 18:06	5000
Ethylbenzene	700		9.90	mg/Kg		05/16/23 14:55	05/18/23 23:54	5000
m,p-Xylenes	364		20.1	mg/Kg		05/12/23 14:20	05/15/23 18:06	5000
o-Xylene	143		10.1	mg/Kg		05/12/23 14:20	05/15/23 18:06	5000
Xylenes, Total	507		20.1	mg/Kg		05/12/23 14:20	05/15/23 18:06	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	686	S1+	70 - 130	05/11/23 11:07	05/12/23 01:08	100
1,4-Difluorobenzene (Surr)	84		70 - 130	05/11/23 11:07	05/12/23 01:08	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2460		20.1	mg/Kg			05/12/23 10:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	29100		500	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	9770		500	mg/Kg		05/12/23 10:42	05/12/23 13:13	10
Diesel Range Organics (Over C10-C28)	17500		500	mg/Kg		05/12/23 10:42	05/12/23 13:13	10
Oil Range Organics (Over C28-C36)	1830		500	mg/Kg		05/12/23 10:42	05/12/23 13:13	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	402	S1+	70 - 130	05/12/23 10:42	05/12/23 13:13	10
o-Terphenyl (Surr)	347	S1+	70 - 130	05/12/23 10:42	05/12/23 13:13	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.5		5.02	mg/Kg			05/15/23 21:47	1

Client Sample ID: C-1, 2'

Lab Sample ID: 880-28315-2

Date Collected: 05/10/23 11:05

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	286	++	10.0	mg/Kg		05/12/23 14:20	05/15/23 18:26	5000
Toluene	1170		10.0	mg/Kg		05/12/23 14:20	05/15/23 18:26	5000
Ethylbenzene	536		9.92	mg/Kg		05/16/23 14:55	05/19/23 00:14	5000
m,p-Xylenes	316		20.0	mg/Kg		05/12/23 14:20	05/15/23 18:26	5000
o-Xylene	128		10.0	mg/Kg		05/12/23 14:20	05/15/23 18:26	5000
Xylenes, Total	444		20.0	mg/Kg		05/12/23 14:20	05/15/23 18:26	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	698	S1+	70 - 130	05/11/23 11:07	05/12/23 01:29	100
1,4-Difluorobenzene (Surr)	93		70 - 130	05/11/23 11:07	05/12/23 01:29	100

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-1, 2'

Lab Sample ID: 880-28315-2

Date Collected: 05/10/23 11:05

Matrix: Solid

Date Received: 05/11/23 08:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2440		20.0	mg/Kg			05/12/23 10:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32300		498	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	12000		498	mg/Kg		05/12/23 10:42	05/12/23 13:35	10
Diesel Range Organics (Over C10-C28)	18500		498	mg/Kg		05/12/23 10:42	05/12/23 13:35	10
Oil Range Organics (Over C28-C36)	1820		498	mg/Kg		05/12/23 10:42	05/12/23 13:35	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	450	S1+	70 - 130			05/12/23 10:42	05/12/23 13:35	10
o-Terphenyl (Surr)	366	S1+	70 - 130			05/12/23 10:42	05/12/23 13:35	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.0		5.05	mg/Kg			05/15/23 22:03	1

Client Sample ID: C-1, 3'

Lab Sample ID: 880-28315-3

Date Collected: 05/10/23 11:10

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	257	*+	10.1	mg/Kg		05/12/23 14:20	05/15/23 21:59	5000
Toluene	965		10.1	mg/Kg		05/12/23 14:20	05/15/23 21:59	5000
Ethylbenzene	638		10.1	mg/Kg		05/12/23 14:20	05/15/23 21:59	5000
m,p-Xylenes	335		20.2	mg/Kg		05/12/23 14:20	05/15/23 21:59	5000
o-Xylene	126		10.1	mg/Kg		05/12/23 14:20	05/15/23 21:59	5000
Xylenes, Total	461		20.2	mg/Kg		05/12/23 14:20	05/15/23 21:59	5000
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	615	S1+	70 - 130			05/11/23 11:07	05/12/23 01:50	100
1,4-Difluorobenzene (Surr)	100		70 - 130			05/11/23 11:07	05/12/23 01:50	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2320		20.2	mg/Kg			05/12/23 10:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	33000		500	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	12800		500	mg/Kg		05/12/23 10:42	05/12/23 16:07	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-1, 3'

Lab Sample ID: 880-28315-3

Date Collected: 05/10/23 11:10

Matrix: Solid

Date Received: 05/11/23 08:05

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)	18100		500	mg/Kg		05/12/23 10:42	05/12/23 16:07	10
Oil Range Organics (Over C28-C36)	2110		500	mg/Kg		05/12/23 10:42	05/12/23 16:07	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	426	S1+	70 - 130			05/12/23 10:42	05/12/23 16:07	10
o-Terphenyl (Surr)	337	S1+	70 - 130			05/12/23 10:42	05/12/23 16:07	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.7		4.98	mg/Kg			05/15/23 22:08	1

Client Sample ID: C-2, 1'

Lab Sample ID: 880-28315-4

Date Collected: 05/10/23 11:15

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	169	*+	9.96	mg/Kg		05/12/23 14:20	05/15/23 22:19	5000
Toluene	756		9.96	mg/Kg		05/12/23 14:20	05/15/23 22:19	5000
Ethylbenzene	497		9.96	mg/Kg		05/12/23 14:20	05/15/23 22:19	5000
m,p-Xylenes	255		19.9	mg/Kg		05/12/23 14:20	05/15/23 22:19	5000
o-Xylene	98.0		9.96	mg/Kg		05/12/23 14:20	05/15/23 22:19	5000
Xylenes, Total	353		19.9	mg/Kg		05/12/23 14:20	05/15/23 22:19	5000
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	564	S1+	70 - 130			05/11/23 11:07	05/12/23 02:10	100
1,4-Difluorobenzene (Surr)	92		70 - 130			05/11/23 11:07	05/12/23 02:10	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1780		19.9	mg/Kg			05/12/23 10:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21100		499	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	7170		499	mg/Kg		05/12/23 10:42	05/12/23 17:02	10
Diesel Range Organics (Over C10-C28)	12500		499	mg/Kg		05/12/23 10:42	05/12/23 17:02	10
Oil Range Organics (Over C28-C36)	1380		499	mg/Kg		05/12/23 10:42	05/12/23 17:02	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	277	S1+	70 - 130			05/12/23 10:42	05/12/23 17:02	10
o-Terphenyl (Surr)	217	S1+	70 - 130			05/12/23 10:42	05/12/23 17:02	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-2, 1'

Lab Sample ID: 880-28315-4

Date Collected: 05/10/23 11:15

Matrix: Solid

Date Received: 05/11/23 08:05

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		4.96	mg/Kg			05/15/23 22:14	1

Client Sample ID: C-2, 2'

Lab Sample ID: 880-28315-5

Date Collected: 05/10/23 11:20

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	45.5	*+	1.99	mg/Kg		05/12/23 14:20	05/15/23 20:58	1000
Toluene	173		1.99	mg/Kg		05/12/23 14:20	05/15/23 20:58	1000
Ethylbenzene	116		1.99	mg/Kg		05/12/23 14:20	05/15/23 20:58	1000
m,p-Xylenes	64.0		0.397	mg/Kg		05/11/23 11:07	05/12/23 02:31	100
o-Xylene	31.3		0.198	mg/Kg		05/11/23 11:07	05/12/23 02:31	100
Xylenes, Total	95.3		0.397	mg/Kg		05/11/23 11:07	05/12/23 02:31	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	278	S1+	70 - 130	05/11/23 11:07	05/12/23 02:31	100
1,4-Difluorobenzene (Surr)	110		70 - 130	05/11/23 11:07	05/12/23 02:31	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	430		1.99	mg/Kg			05/12/23 10:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2890		50.0	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	910		50.0	mg/Kg		05/12/23 10:42	05/12/23 12:52	1
Diesel Range Organics (Over C10-C28)	1790		50.0	mg/Kg		05/12/23 10:42	05/12/23 12:52	1
Oil Range Organics (Over C28-C36)	187		50.0	mg/Kg		05/12/23 10:42	05/12/23 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130	05/12/23 10:42	05/12/23 12:52	1
o-Terphenyl (Surr)	116		70 - 130	05/12/23 10:42	05/12/23 12:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	342		5.00	mg/Kg			05/15/23 22:19	1

Client Sample ID: C-2, 3'

Lab Sample ID: 880-28315-6

Date Collected: 05/10/23 11:25

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	42.8	*+	2.00	mg/Kg		05/12/23 14:20	05/15/23 21:18	1000
Toluene	192		2.00	mg/Kg		05/12/23 14:20	05/15/23 21:18	1000
Ethylbenzene	145		2.00	mg/Kg		05/12/23 14:20	05/15/23 21:18	1000

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-2, 3'

Lab Sample ID: 880-28315-6

Date Collected: 05/10/23 11:25

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	72.8		4.00	mg/Kg		05/12/23 14:20	05/15/23 21:18	1000
o-Xylene	28.8		2.00	mg/Kg		05/12/23 14:20	05/15/23 21:18	1000
Xylenes, Total	102		4.00	mg/Kg		05/12/23 14:20	05/15/23 21:18	1000
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	375	S1+	70 - 130			05/11/23 11:07	05/12/23 02:52	100
1,4-Difluorobenzene (Surr)	95		70 - 130			05/11/23 11:07	05/12/23 02:52	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	481		4.00	mg/Kg			05/12/23 10:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5310		49.8	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1380		49.8	mg/Kg		05/12/23 10:42	05/12/23 12:30	1
Diesel Range Organics (Over C10-C28)	3530		49.8	mg/Kg		05/12/23 10:42	05/12/23 12:30	1
Oil Range Organics (Over C28-C36)	400		49.8	mg/Kg		05/12/23 10:42	05/12/23 12:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129		70 - 130			05/12/23 10:42	05/12/23 12:30	1
o-Terphenyl (Surr)	125		70 - 130			05/12/23 10:42	05/12/23 12:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	366		5.03	mg/Kg			05/15/23 22:35	1

Client Sample ID: C-3, 1'

Lab Sample ID: 880-28315-7

Date Collected: 05/10/23 11:30

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.71		0.202	mg/Kg		05/11/23 11:07	05/12/23 03:12	100
Toluene	114		2.02	mg/Kg		05/12/23 14:20	05/15/23 21:38	1000
Ethylbenzene	123		2.02	mg/Kg		05/12/23 14:20	05/15/23 21:38	1000
m,p-Xylenes	65.9		0.404	mg/Kg		05/11/23 11:07	05/12/23 03:12	100
o-Xylene	33.5		0.202	mg/Kg		05/11/23 11:07	05/12/23 03:12	100
Xylenes, Total	99.4		0.404	mg/Kg		05/11/23 11:07	05/12/23 03:12	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	302	S1+	70 - 130			05/11/23 11:07	05/12/23 03:12	100
1,4-Difluorobenzene (Surr)	96		70 - 130			05/11/23 11:07	05/12/23 03:12	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	344		2.02	mg/Kg			05/12/23 10:30	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-3, 1'

Lab Sample ID: 880-28315-7

Date Collected: 05/10/23 11:30

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6150		249	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1490		249	mg/Kg		05/12/23 10:42	05/12/23 17:26	5
Diesel Range Organics (Over C10-C28)	4220		249	mg/Kg		05/12/23 10:42	05/12/23 17:26	5
Oil Range Organics (Over C28-C36)	436		249	mg/Kg		05/12/23 10:42	05/12/23 17:26	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			05/12/23 10:42	05/12/23 17:26	5
o-Terphenyl (Surr)	116		70 - 130			05/12/23 10:42	05/12/23 17:26	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5100		50.1	mg/Kg			05/15/23 22:40	10

Client Sample ID: C-3, 2'

Lab Sample ID: 880-28315-8

Date Collected: 05/10/23 11:35

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.206		0.199	mg/Kg		05/11/23 11:07	05/12/23 03:33	100
Toluene	2.32		0.199	mg/Kg		05/11/23 11:07	05/12/23 03:33	100
Ethylbenzene	6.08		0.199	mg/Kg		05/11/23 11:07	05/12/23 03:33	100
m,p-Xylenes	3.74		0.398	mg/Kg		05/11/23 11:07	05/12/23 03:33	100
o-Xylene	2.10		0.199	mg/Kg		05/11/23 11:07	05/12/23 03:33	100
Xylenes, Total	5.84		0.398	mg/Kg		05/11/23 11:07	05/12/23 03:33	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130			05/11/23 11:07	05/12/23 03:33	100
1,4-Difluorobenzene (Surr)	95		70 - 130			05/11/23 11:07	05/12/23 03:33	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	14.4		0.398	mg/Kg			05/12/23 10:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	886		49.8	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	77.4		49.8	mg/Kg		05/12/23 10:42	05/12/23 14:40	1
Diesel Range Organics (Over C10-C28)	740		49.8	mg/Kg		05/12/23 10:42	05/12/23 14:40	1
Oil Range Organics (Over C28-C36)	68.3		49.8	mg/Kg		05/12/23 10:42	05/12/23 14:40	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-3, 2'

Lab Sample ID: 880-28315-8

Date Collected: 05/10/23 11:35

Matrix: Solid

Date Received: 05/11/23 08:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130	05/12/23 10:42	05/12/23 14:40	1
o-Terphenyl (Surr)	125		70 - 130	05/12/23 10:42	05/12/23 14:40	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5690		49.9	mg/Kg			05/15/23 22:46	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: C-3, 3'

Lab Sample ID: 880-28315-9

Date Collected: 05/10/23 11:40

Matrix: Solid

Date Received: 05/11/23 08:05

Method: SW846 8021B - Volatile Organic Compounds (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0401	U	0.0401	mg/Kg		05/11/23 11:53	05/12/23 14:13	20
Toluene	0.344		0.199	mg/Kg		05/11/23 11:07	05/12/23 03:54	100
Ethylbenzene	0.468		0.199	mg/Kg		05/11/23 11:07	05/12/23 03:54	100
m,p-Xylenes	<0.0802	U	0.0802	mg/Kg		05/11/23 11:53	05/12/23 14:13	20
o-Xylene	0.0600	*+	0.0401	mg/Kg		05/11/23 11:53	05/12/23 14:13	20
Xylenes, Total	<0.0802	U	0.0802	mg/Kg		05/11/23 11:53	05/12/23 14:13	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	05/11/23 11:07	05/12/23 03:54	100
1,4-Difluorobenzene (Surr)	101		70 - 130	05/11/23 11:07	05/12/23 03:54	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.872		0.199	mg/Kg			05/12/23 10:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	83.9		49.8	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/12/23 10:42	05/12/23 15:02	1
Diesel Range Organics (Over C10-C28)	83.9		49.8	mg/Kg		05/12/23 10:42	05/12/23 15:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/12/23 10:42	05/12/23 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	05/12/23 10:42	05/12/23 15:02	1
o-Terphenyl (Surr)	119		70 - 130	05/12/23 10:42	05/12/23 15:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4340		50.3	mg/Kg			05/15/23 22:51	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-4, 1'

Lab Sample ID: 880-28315-10

Date Collected: 05/10/23 11:45

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	65.1		1.99	mg/Kg		05/12/23 09:27	05/12/23 21:07	1000
Toluene	673		10.0	mg/Kg		05/12/23 14:20	05/15/23 22:40	5000
Ethylbenzene	397	*1	1.99	mg/Kg		05/12/23 09:27	05/12/23 21:07	1000
m,p-Xylenes	181	*+ *1	3.98	mg/Kg		05/12/23 09:27	05/12/23 21:07	1000
o-Xylene	92.1	*+ *1	1.99	mg/Kg		05/12/23 09:27	05/12/23 21:07	1000
Xylenes, Total	273	*+ *1	3.98	mg/Kg		05/12/23 09:27	05/12/23 21:07	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	05/12/23 09:27	05/12/23 21:07	1000
1,4-Difluorobenzene (Surr)	91		70 - 130	05/12/23 09:27	05/12/23 21:07	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1410		3.98	mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32400		499	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	7240		499	mg/Kg		05/12/23 10:42	05/12/23 13:57	10
Diesel Range Organics (Over C10-C28)	23200		499	mg/Kg		05/12/23 10:42	05/12/23 13:57	10
Oil Range Organics (Over C28-C36)	1920		499	mg/Kg		05/12/23 10:42	05/12/23 13:57	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	431	S1+	70 - 130	05/12/23 10:42	05/12/23 13:57	10
o-Terphenyl (Surr)	432	S1+	70 - 130	05/12/23 10:42	05/12/23 13:57	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5670		49.8	mg/Kg			05/15/23 22:57	10

Client Sample ID: C-4, 2'

Lab Sample ID: 880-28315-11

Date Collected: 05/10/23 11:50

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.203		0.199	mg/Kg		05/11/23 11:53	05/12/23 14:33	100
Toluene	0.358		0.199	mg/Kg		05/11/23 11:53	05/12/23 14:33	100
Ethylbenzene	0.983		0.199	mg/Kg		05/11/23 11:53	05/12/23 14:33	100
m,p-Xylenes	0.610		0.398	mg/Kg		05/11/23 11:53	05/12/23 14:33	100
o-Xylene	0.341	*+	0.199	mg/Kg		05/11/23 11:53	05/12/23 14:33	100
Xylenes, Total	0.951		0.398	mg/Kg		05/11/23 11:53	05/12/23 14:33	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/11/23 11:53	05/12/23 14:33	100
1,4-Difluorobenzene (Surr)	87		70 - 130	05/11/23 11:53	05/12/23 14:33	100

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-4, 2'

Lab Sample ID: 880-28315-11

Date Collected: 05/10/23 11:50

Matrix: Solid

Date Received: 05/11/23 08:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.50		0.398	mg/Kg			05/12/23 15:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	224		49.9	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/12/23 10:42	05/12/23 18:09	1
Diesel Range Organics (Over C10-C28)	224		49.9	mg/Kg		05/12/23 10:42	05/12/23 18:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/12/23 10:42	05/12/23 18:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			05/12/23 10:42	05/12/23 18:09	1
o-Terphenyl (Surr)	117		70 - 130			05/12/23 10:42	05/12/23 18:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3450		24.8	mg/Kg			05/15/23 23:02	5

Client Sample ID: C-4, 3'

Lab Sample ID: 880-28315-12

Date Collected: 05/10/23 11:55

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0396	U **	0.0396	mg/Kg		05/16/23 14:29	05/16/23 19:49	20
Toluene	0.0942	**	0.0396	mg/Kg		05/16/23 14:29	05/16/23 19:49	20
Ethylbenzene	0.113	**	0.0396	mg/Kg		05/16/23 14:29	05/16/23 19:49	20
m,p-Xylenes	0.114		0.0792	mg/Kg		05/16/23 14:29	05/16/23 19:49	20
o-Xylene	0.0529		0.0396	mg/Kg		05/16/23 14:29	05/16/23 19:49	20
Xylenes, Total	0.167		0.0792	mg/Kg		05/16/23 14:29	05/16/23 19:49	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			05/16/23 14:29	05/16/23 19:49	20
1,4-Difluorobenzene (Surr)	84		70 - 130			05/16/23 14:29	05/16/23 19:49	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.374		0.0792	mg/Kg			05/17/23 16:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	183		50.0	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 17:48	1
Diesel Range Organics (Over C10-C28)	183		50.0	mg/Kg		05/12/23 10:42	05/12/23 17:48	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-4, 3'

Lab Sample ID: 880-28315-12

Date Collected: 05/10/23 11:55

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 17:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			05/12/23 10:42	05/12/23 17:48	1
o-Terphenyl (Surr)	114		70 - 130			05/12/23 10:42	05/12/23 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1930		25.1	mg/Kg			05/15/23 23:18	5

Client Sample ID: C-5, 1'

Lab Sample ID: 880-28315-13

Date Collected: 05/10/23 12:00

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	370		2.00	mg/Kg		05/12/23 09:43	05/13/23 06:42	1000
Toluene	939		9.98	mg/Kg		05/12/23 14:20	05/15/23 23:00	5000
Ethylbenzene	546		9.98	mg/Kg		05/12/23 14:20	05/15/23 23:00	5000
m,p-Xylenes	230	*+	4.01	mg/Kg		05/12/23 09:43	05/13/23 06:42	1000
o-Xylene	119	*+	2.00	mg/Kg		05/12/23 09:43	05/13/23 06:42	1000
Xylenes, Total	349	*+	4.01	mg/Kg		05/12/23 09:43	05/13/23 06:42	1000
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	174	S1+	70 - 130			05/12/23 09:43	05/13/23 06:42	1000
1,4-Difluorobenzene (Surr)	127		70 - 130			05/12/23 09:43	05/13/23 06:42	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2200		9.98	mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23000		499	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	7860		499	mg/Kg		05/12/23 10:42	05/12/23 16:40	10
Diesel Range Organics (Over C10-C28)	13600		499	mg/Kg		05/12/23 10:42	05/12/23 16:40	10
Oil Range Organics (Over C28-C36)	1530		499	mg/Kg		05/12/23 10:42	05/12/23 16:40	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	282	S1+	70 - 130			05/12/23 10:42	05/12/23 16:40	10
o-Terphenyl (Surr)	256	S1+	70 - 130			05/12/23 10:42	05/12/23 16:40	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	619		5.01	mg/Kg			05/15/23 23:24	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-6, 1'

Lab Sample ID: 880-28315-14

Date Collected: 05/10/23 12:05

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	274		2.00	mg/Kg		05/12/23 09:43	05/13/23 07:03	1000
Toluene	824		10.0	mg/Kg		05/12/23 14:20	05/15/23 23:21	5000
Ethylbenzene	395		2.00	mg/Kg		05/12/23 09:43	05/13/23 07:03	1000
m,p-Xylenes	183	++	3.99	mg/Kg		05/12/23 09:43	05/13/23 07:03	1000
o-Xylene	99.4	++	2.00	mg/Kg		05/12/23 09:43	05/13/23 07:03	1000
Xylenes, Total	282	++	3.99	mg/Kg		05/12/23 09:43	05/13/23 07:03	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	05/12/23 09:43	05/13/23 07:03	1000
1,4-Difluorobenzene (Surr)	111		70 - 130	05/12/23 09:43	05/13/23 07:03	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1780		3.99	mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22400		499	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	6310		499	mg/Kg		05/12/23 10:42	05/12/23 14:19	10
Diesel Range Organics (Over C10-C28)	14800		499	mg/Kg		05/12/23 10:42	05/12/23 14:19	10
Oil Range Organics (Over C28-C36)	1250		499	mg/Kg		05/12/23 10:42	05/12/23 14:19	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	253	S1+	70 - 130	05/12/23 10:42	05/12/23 14:19	10
o-Terphenyl (Surr)	306	S1+	70 - 130	05/12/23 10:42	05/12/23 14:19	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9160		99.4	mg/Kg			05/15/23 23:40	20

Client Sample ID: C-7, 0-.5'

Lab Sample ID: 880-28315-15

Date Collected: 05/10/23 12:10

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.251		0.200	mg/Kg		05/12/23 09:43	05/13/23 04:39	100
Toluene	0.746		0.200	mg/Kg		05/12/23 09:43	05/13/23 04:39	100
Ethylbenzene	0.426		0.200	mg/Kg		05/12/23 09:43	05/13/23 04:39	100
m,p-Xylenes	<0.401	U ++	0.401	mg/Kg		05/12/23 09:43	05/13/23 04:39	100
o-Xylene	0.284	++	0.200	mg/Kg		05/12/23 09:43	05/13/23 04:39	100
Xylenes, Total	<0.401	U ++	0.401	mg/Kg		05/12/23 09:43	05/13/23 04:39	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/12/23 09:43	05/13/23 04:39	100
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	05/12/23 09:43	05/13/23 04:39	100

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-7, 0-.5'

Lab Sample ID: 880-28315-15

Date Collected: 05/10/23 12:10

Matrix: Solid

Date Received: 05/11/23 08:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.71		0.401	mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 15:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 15:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			05/12/23 10:42	05/12/23 15:24	1
o-Terphenyl (Surr)	109		70 - 130			05/12/23 10:42	05/12/23 15:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.0		5.03	mg/Kg			05/15/23 23:45	1

Client Sample ID: C-7, .5'-1'

Lab Sample ID: 880-28315-16

Date Collected: 05/10/23 12:15

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0101	U	0.0101	mg/Kg		05/17/23 09:52	05/17/23 17:05	5
Toluene	<0.0101	U **	0.0101	mg/Kg		05/17/23 09:52	05/17/23 17:05	5
Ethylbenzene	0.0169		0.0101	mg/Kg		05/17/23 09:52	05/17/23 17:05	5
m,p-Xylenes	0.0317		0.0201	mg/Kg		05/17/23 09:52	05/17/23 17:05	5
o-Xylene	<0.0101	U	0.0101	mg/Kg		05/17/23 09:52	05/17/23 17:05	5
Xylenes, Total	0.0317		0.0201	mg/Kg		05/17/23 09:52	05/17/23 17:05	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	23	S1-	70 - 130			05/17/23 09:52	05/17/23 17:05	5
1,4-Difluorobenzene (Surr)	96		70 - 130			05/17/23 09:52	05/17/23 17:05	5

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0486		0.0201	mg/Kg			05/18/23 14:51	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			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 11:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 11:23	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-7, .5'-1'

Lab Sample ID: 880-28315-16

Date Collected: 05/10/23 12:15

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 11:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			05/12/23 10:42	05/12/23 11:23	1
o-Terphenyl (Surr)	117		70 - 130			05/12/23 10:42	05/12/23 11:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.4		4.98	mg/Kg			05/15/23 23:50	1

Client Sample ID: C-8, 0-.5'

Lab Sample ID: 880-28315-17

Date Collected: 05/10/23 12:20

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.134	*+	0.0401	mg/Kg		05/16/23 16:29	05/17/23 01:03	20
Toluene	0.814	*+	0.0401	mg/Kg		05/16/23 16:29	05/17/23 01:03	20
Ethylbenzene	0.457	*+	0.0401	mg/Kg		05/16/23 16:29	05/17/23 01:03	20
m,p-Xylenes	0.180		0.0802	mg/Kg		05/16/23 16:29	05/17/23 01:03	20
o-Xylene	0.0656		0.0401	mg/Kg		05/16/23 16:29	05/17/23 01:03	20
Xylenes, Total	0.246		0.0802	mg/Kg		05/16/23 16:29	05/17/23 01:03	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130			05/16/23 16:29	05/17/23 01:03	20
1,4-Difluorobenzene (Surr)	81		70 - 130			05/16/23 16:29	05/17/23 01:03	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.65		0.0802	mg/Kg			05/17/23 16:29	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			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/12/23 10:42	05/12/23 18:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/12/23 10:42	05/12/23 18:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/12/23 10:42	05/12/23 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			05/12/23 10:42	05/12/23 18:31	1
o-Terphenyl (Surr)	108		70 - 130			05/12/23 10:42	05/12/23 18:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.6		4.95	mg/Kg			05/15/23 23:56	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-9, 0-.5'

Lab Sample ID: 880-28315-18

Date Collected: 05/10/23 12:25

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/12/23 09:27	05/12/23 18:00	1
Toluene	<0.00200	U *1	0.00200	mg/Kg		05/12/23 09:27	05/12/23 18:00	1
Ethylbenzene	<0.00200	U *1	0.00200	mg/Kg		05/12/23 09:27	05/12/23 18:00	1
m,p-Xylenes	<0.00399	U *+ *1	0.00399	mg/Kg		05/12/23 09:27	05/12/23 18:00	1
o-Xylene	<0.00200	U *+ *1	0.00200	mg/Kg		05/12/23 09:27	05/12/23 18:00	1
Xylenes, Total	<0.00399	U *+ *1	0.00399	mg/Kg		05/12/23 09:27	05/12/23 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/12/23 09:27	05/12/23 18:00	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/12/23 09:27	05/12/23 18:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/12/23 10:42	05/12/23 18:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/12/23 10:42	05/12/23 18:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/12/23 10:42	05/12/23 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	05/12/23 10:42	05/12/23 18:52	1
o-Terphenyl (Surr)	120		70 - 130	05/12/23 10:42	05/12/23 18:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.5		4.95	mg/Kg			05/16/23 00:01	1

Client Sample ID: C-9, .5'-1'

Lab Sample ID: 880-28315-19

Date Collected: 05/10/23 12:30

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/12/23 09:27	05/12/23 18:21	1
Toluene	<0.00198	U *1	0.00198	mg/Kg		05/12/23 09:27	05/12/23 18:21	1
Ethylbenzene	<0.00198	U *1	0.00198	mg/Kg		05/12/23 09:27	05/12/23 18:21	1
m,p-Xylenes	<0.00396	U *+ *1	0.00396	mg/Kg		05/12/23 09:27	05/12/23 18:21	1
o-Xylene	<0.00198	U *+ *1	0.00198	mg/Kg		05/12/23 09:27	05/12/23 18:21	1
Xylenes, Total	<0.00396	U *+ *1	0.00396	mg/Kg		05/12/23 09:27	05/12/23 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	05/12/23 09:27	05/12/23 18:21	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/12/23 09:27	05/12/23 18:21	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-9, .5'-1'

Lab Sample ID: 880-28315-19

Date Collected: 05/10/23 12:30

Matrix: Solid

Date Received: 05/11/23 08:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/15/23 15:34	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			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 19:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 19:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 10:42	05/12/23 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			05/12/23 10:42	05/12/23 19:14	1
o-Terphenyl (Surr)	118		70 - 130			05/12/23 10:42	05/12/23 19:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		4.97	mg/Kg			05/16/23 00:06	1

Client Sample ID: C-10, 0-.5'

Lab Sample ID: 880-28315-20

Date Collected: 05/10/23 12:35

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		05/11/23 11:07	05/12/23 00:47	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/11/23 11:07	05/12/23 00:47	1
Ethylbenzene	0.00207		0.00202	mg/Kg		05/11/23 11:07	05/12/23 00:47	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		05/11/23 11:07	05/12/23 00:47	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/11/23 11:07	05/12/23 00:47	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		05/11/23 11:07	05/12/23 00:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			05/11/23 11:07	05/12/23 00:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130			05/11/23 11:07	05/12/23 00:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			05/12/23 10:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.1		49.8	mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/12/23 10:42	05/12/23 19:35	1
Diesel Range Organics (Over C10-C28)	51.1		49.8	mg/Kg		05/12/23 10:42	05/12/23 19:35	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-10, 0-.5'

Lab Sample ID: 880-28315-20

Date Collected: 05/10/23 12:35

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/12/23 10:42	05/12/23 19:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			05/12/23 10:42	05/12/23 19:35	1
o-Terphenyl (Surr)	117		70 - 130			05/12/23 10:42	05/12/23 19:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.1		5.04	mg/Kg			05/16/23 00:12	1

Client Sample ID: C-10, .5'-1'

Lab Sample ID: 880-28315-21

Date Collected: 05/10/23 12:40

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/11/23 11:53	05/12/23 12:51	1
Toluene	0.00264		0.00200	mg/Kg		05/11/23 11:53	05/12/23 12:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/11/23 11:53	05/12/23 12:51	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/11/23 11:53	05/12/23 12:51	1
o-Xylene	<0.00200	U *	0.00200	mg/Kg		05/11/23 11:53	05/12/23 12:51	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/11/23 11:53	05/12/23 12:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			05/11/23 11:53	05/12/23 12:51	1
1,4-Difluorobenzene (Surr)	83		70 - 130			05/11/23 11:53	05/12/23 12:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/12/23 15:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/15/23 16:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/12/23 20:57	05/13/23 17:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/12/23 20:57	05/13/23 17:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/12/23 20:57	05/13/23 17:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130			05/12/23 20:57	05/13/23 17:30	1
o-Terphenyl (Surr)	103		70 - 130			05/12/23 20:57	05/13/23 17:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		5.05	mg/Kg			05/15/23 20:34	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-4, 4'

Lab Sample ID: 880-28315-22

Date Collected: 05/10/23 12:45

Matrix: Solid

Date Received: 05/11/23 08:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U	0.199	mg/Kg		05/11/23 11:53	05/12/23 14:54	100
Toluene	0.652		0.199	mg/Kg		05/11/23 11:53	05/12/23 14:54	100
Ethylbenzene	1.32		0.199	mg/Kg		05/11/23 11:53	05/12/23 14:54	100
m,p-Xylenes	0.728		0.398	mg/Kg		05/11/23 11:53	05/12/23 14:54	100
o-Xylene	0.536	+	0.199	mg/Kg		05/11/23 11:53	05/12/23 14:54	100
Xylenes, Total	1.26		0.398	mg/Kg		05/11/23 11:53	05/12/23 14:54	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	05/11/23 11:53	05/12/23 14:54	100
1,4-Difluorobenzene (Surr)	87		70 - 130	05/11/23 11:53	05/12/23 14:54	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.24		0.398	mg/Kg			05/12/23 15:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	562		50.0	mg/Kg			05/15/23 16:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/12/23 20:57	05/13/23 17:51	1
Diesel Range Organics (Over C10-C28)	562		50.0	mg/Kg		05/12/23 20:57	05/13/23 17:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 20:57	05/13/23 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	148	S1+	70 - 130	05/12/23 20:57	05/13/23 17:51	1
o-Terphenyl (Surr)	114		70 - 130	05/12/23 20:57	05/13/23 17:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		5.02	mg/Kg			05/15/23 20:40	1

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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)
880-28315-1	C-1, 1'	686 S1+	84
880-28315-2	C-1, 2'	698 S1+	93
880-28315-3	C-1, 3'	615 S1+	100
880-28315-4	C-2, 1'	564 S1+	92
880-28315-5	C-2, 2'	278 S1+	110
880-28315-6	C-2, 3'	375 S1+	95
880-28315-7	C-3, 1'	302 S1+	96
880-28315-8	C-3, 2'	156 S1+	95
880-28315-9	C-3, 3'	137 S1+	101
880-28315-10	C-4, 1'	145 S1+	91
880-28315-11	C-4, 2'	111	87
880-28315-12	C-4, 3'	85	84
880-28315-13	C-5, 1'	174 S1+	127
880-28315-14	C-6, 1'	131 S1+	111
880-28315-15	C-7, 0-.5'	95	66 S1-
880-28315-16	C-7, .5'-1'	23 S1-	96
880-28315-17	C-8, 0-.5'	81	81
880-28315-18	C-9, 0-.5'	105	97
880-28315-19	C-9, .5'-1'	136 S1+	100
880-28315-20	C-10, 0-.5'	106	98
880-28315-20 MS	C-10, 0-.5'	106	103
880-28315-20 MSD	C-10, 0-.5'	103	99
880-28315-21	C-10, .5'-1'	94	83
880-28315-22	C-4, 4'	120	87
880-28389-A-5-A MB	Method Blank	96	98
LCS 880-53131/1-A	Lab Control Sample	97	99
LCS 880-53137/1-A	Lab Control Sample	104	100
LCS 880-53202/1-A	Lab Control Sample	82	74
LCS 880-53203/1-A	Lab Control Sample	134 S1+	106
LCS 880-53272/1-A	Lab Control Sample	94	104
LCS 880-53491/1-A	Lab Control Sample	106	115
LCS 880-53494/1-A	Lab Control Sample	94	97
LCS 880-53541/1-A	Lab Control Sample	100	100
LCSD 880-53131/2-A	Lab Control Sample Dup	99	102
LCSD 880-53137/2-A	Lab Control Sample Dup	111	97
LCSD 880-53202/2-A	Lab Control Sample Dup	116	86
LCSD 880-53203/2-A	Lab Control Sample Dup	109	92
LCSD 880-53272/2-A	Lab Control Sample Dup	89	108
LCSD 880-53491/2-A	Lab Control Sample Dup	103	124
LCSD 880-53494/2-A	Lab Control Sample Dup	112	106
LCSD 880-53541/2-A	Lab Control Sample Dup	97	85
MB 880-53104/5-A	Method Blank	99	97
MB 880-53131/5-A	Method Blank	99	105
MB 880-53137/5-A	Method Blank	67 S1-	93
MB 880-53202/5-A	Method Blank	94	101
MB 880-53203/5-A	Method Blank	66 S1-	88
MB 880-53272/5-A	Method Blank	93	103
MB 880-53491/5-A	Method Blank	98	92
MB 880-53494/5-A	Method Blank	68 S1-	85

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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 880-53541/5-A	Method Blank	111	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 (70-130)	OTPH1 (70-130)
880-28315-1	C-1, 1'	402 S1+	347 S1+
880-28315-2	C-1, 2'	450 S1+	366 S1+
880-28315-3	C-1, 3'	426 S1+	337 S1+
880-28315-4	C-2, 1'	277 S1+	217 S1+
880-28315-5	C-2, 2'	113	116
880-28315-6	C-2, 3'	129	125
880-28315-7	C-3, 1'	118	116
880-28315-8	C-3, 2'	113	125
880-28315-9	C-3, 3'	108	119
880-28315-10	C-4, 1'	431 S1+	432 S1+
880-28315-11	C-4, 2'	105	117
880-28315-12	C-4, 3'	103	114
880-28315-13	C-5, 1'	282 S1+	256 S1+
880-28315-14	C-6, 1'	253 S1+	306 S1+
880-28315-15	C-7, 0-.5'	102	109
880-28315-16	C-7, .5'-1'	104	117
880-28315-16 MS	C-7, .5'-1'	98	102
880-28315-16 MSD	C-7, .5'-1'	102	105
880-28315-17	C-8, 0-.5'	101	108
880-28315-18	C-9, 0-.5'	110	120
880-28315-19	C-9, .5'-1'	106	118
880-28315-20	C-10, 0-.5'	107	117
880-28315-21	C-10, .5'-1'	135 S1+	103
880-28315-22	C-4, 4'	148 S1+	114
LCS 880-53232/2-A	Lab Control Sample	92	106
LCS 880-53303/2-A	Lab Control Sample	132 S1+	102
LCSD 880-53232/3-A	Lab Control Sample Dup	95	111
LCSD 880-53303/3-A	Lab Control Sample Dup	134 S1+	103
MB 880-53232/1-A	Method Blank	116	135 S1+
MB 880-53303/1-A	Method Blank	163 S1+	130
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53104/5-A

Matrix: Solid

Analysis Batch: 53105

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53104

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/11/23 09:40	05/11/23 13:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/11/23 09:40	05/11/23 13:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/11/23 09:40	05/11/23 13:35	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/11/23 09:40	05/11/23 13:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/11/23 09:40	05/11/23 13:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/11/23 09:40	05/11/23 13:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/11/23 09:40	05/11/23 13:35	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/11/23 09:40	05/11/23 13:35	1

Lab Sample ID: MB 880-53131/5-A

Matrix: Solid

Analysis Batch: 53105

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53131

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/11/23 11:07	05/12/23 00:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/11/23 11:07	05/12/23 00:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/11/23 11:07	05/12/23 00:25	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/11/23 11:07	05/12/23 00:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/11/23 11:07	05/12/23 00:25	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/11/23 11:07	05/12/23 00:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/11/23 11:07	05/12/23 00:25	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/11/23 11:07	05/12/23 00:25	1

Lab Sample ID: LCS 880-53131/1-A

Matrix: Solid

Analysis Batch: 53105

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1253		mg/Kg		125	70 - 130
Toluene	0.100	0.1172		mg/Kg		117	70 - 130
Ethylbenzene	0.100	0.1095		mg/Kg		109	70 - 130
m,p-Xylenes	0.200	0.2180		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-53131/2-A

Matrix: Solid

Analysis Batch: 53105

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53131

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	6	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Lab Sample ID: LCSD 880-53131/2-A

Matrix: Solid

Analysis Batch: 53105

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53131

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1172		mg/Kg		117	70 - 130	0	35
Ethylbenzene	0.100	0.1077		mg/Kg		108	70 - 130	2	35
m,p-Xylenes	0.200	0.2151		mg/Kg		108	70 - 130	1	35
o-Xylene	0.100	0.1042		mg/Kg		104	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-28315-20 MS

Matrix: Solid

Analysis Batch: 53105

Client Sample ID: C-10, 0--5'

Prep Type: Total/NA

Prep Batch: 53131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0998	0.1095		mg/Kg		108	70 - 130
Toluene	<0.00202	U	0.0998	0.1138		mg/Kg		114	70 - 130
Ethylbenzene	0.00207		0.0998	0.1073		mg/Kg		105	70 - 130
m,p-Xylenes	<0.00403	U	0.200	0.2191		mg/Kg		109	70 - 130
o-Xylene	<0.00202	U	0.0998	0.1066		mg/Kg		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-28315-20 MSD

Matrix: Solid

Analysis Batch: 53105

Client Sample ID: C-10, 0--5'

Prep Type: Total/NA

Prep Batch: 53131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1028		mg/Kg		101	70 - 130	6	35
Toluene	<0.00202	U	0.100	0.1035		mg/Kg		103	70 - 130	9	35
Ethylbenzene	0.00207		0.100	0.1002		mg/Kg		98	70 - 130	7	35
m,p-Xylenes	<0.00403	U	0.201	0.2031		mg/Kg		100	70 - 130	8	35
o-Xylene	<0.00202	U	0.100	0.09916		mg/Kg		98	70 - 130	7	35

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

Lab Sample ID: MB 880-53137/5-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53137

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/11/23 11:53	05/12/23 11:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/11/23 11:53	05/12/23 11:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/11/23 11:53	05/12/23 11:17	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/11/23 11:53	05/12/23 11:17	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Lab Sample ID: MB 880-53137/5-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53137

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/11/23 11:53	05/12/23 11:17	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/11/23 11:53	05/12/23 11:17	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130			05/11/23 11:53	05/12/23 11:17	1
1,4-Difluorobenzene (Surr)	93		70 - 130			05/11/23 11:53	05/12/23 11:17	1

Lab Sample ID: LCS 880-53137/1-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1286		mg/Kg		129	70 - 130
Toluene	0.100	0.1214		mg/Kg		121	70 - 130
Ethylbenzene	0.100	0.1235		mg/Kg		124	70 - 130
m,p-Xylenes	0.200	0.2490		mg/Kg		125	70 - 130
o-Xylene	0.100	0.1277		mg/Kg		128	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	104		70 - 130				
1,4-Difluorobenzene (Surr)	100		70 - 130				

Lab Sample ID: LCSD 880-53137/2-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1275		mg/Kg		128	70 - 130	1	35
Toluene	0.100	0.1186		mg/Kg		119	70 - 130	2	35
Ethylbenzene	0.100	0.1231		mg/Kg		123	70 - 130	0	35
m,p-Xylenes	0.200	0.2573		mg/Kg		129	70 - 130	3	35
o-Xylene	0.100	0.1308	*+	mg/Kg		131	70 - 130	2	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	111		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: MB 880-53202/5-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53202

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/12/23 09:27	05/12/23 11:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/12/23 09:27	05/12/23 11:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/12/23 09:27	05/12/23 11:49	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/12/23 09:27	05/12/23 11:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/12/23 09:27	05/12/23 11:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/12/23 09:27	05/12/23 11:49	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/12/23 09:27	05/12/23 11:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/12/23 09:27	05/12/23 11:49	1

Lab Sample ID: LCS 880-53202/1-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1051		mg/Kg		105	70 - 130
Toluene	0.100	0.07687		mg/Kg		77	70 - 130
Ethylbenzene	0.100	0.08306		mg/Kg		83	70 - 130
m,p-Xylenes	0.200	0.1683		mg/Kg		84	70 - 130
o-Xylene	0.100	0.07838		mg/Kg		78	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

Lab Sample ID: LCSD 880-53202/2-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53202

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	2	35
Toluene	0.100	0.1217	*1	mg/Kg		122	70 - 130	45	35
Ethylbenzene	0.100	0.1285	*1	mg/Kg		129	70 - 130	43	35
m,p-Xylenes	0.200	0.2746	*+ *1	mg/Kg		137	70 - 130	48	35
o-Xylene	0.100	0.1316	*+ *1	mg/Kg		132	70 - 130	51	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: MB 880-53203/5-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53203

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/12/23 09:43	05/12/23 23:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/12/23 09:43	05/12/23 23:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/12/23 09:43	05/12/23 23:10	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/12/23 09:43	05/12/23 23:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/12/23 09:43	05/12/23 23:10	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/12/23 09:43	05/12/23 23:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	05/12/23 09:43	05/12/23 23:10	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/12/23 09:43	05/12/23 23:10	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Lab Sample ID: LCS 880-53203/1-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1069		mg/Kg		107	70 - 130
Toluene	0.100	0.1097		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1278		mg/Kg		128	70 - 130
m,p-Xylenes	0.200	0.2663	*+	mg/Kg		133	70 - 130
o-Xylene	0.100	0.1628	*+	mg/Kg		163	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-53203/2-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1240		mg/Kg		124	70 - 130	15	35
Toluene	0.100	0.1187		mg/Kg		119	70 - 130	8	35
Ethylbenzene	0.100	0.1217		mg/Kg		122	70 - 130	5	35
m,p-Xylenes	0.200	0.2506		mg/Kg		125	70 - 130	6	35
o-Xylene	0.100	0.1322	*+	mg/Kg		132	70 - 130	21	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-53272/5-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53272

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/12/23 14:20	05/15/23 14:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/12/23 14:20	05/15/23 14:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/12/23 14:20	05/15/23 14:53	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/12/23 14:20	05/15/23 14:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/12/23 14:20	05/15/23 14:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/12/23 14:20	05/15/23 14:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/12/23 14:20	05/15/23 14:53	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/12/23 14:20	05/15/23 14:53	1

Lab Sample ID: LCS 880-53272/1-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1273		mg/Kg		127	70 - 130
Toluene	0.100	0.1201		mg/Kg		120	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Lab Sample ID: LCS 880-53272/1-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.1237		mg/Kg		124	70 - 130
m,p-Xylenes	0.200	0.1954		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09080		mg/Kg		91	70 - 130

Surrogate	%Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-53272/2-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1311	*+	mg/Kg		131	70 - 130	3	35
Toluene	0.100	0.1146		mg/Kg		115	70 - 130	5	35
Ethylbenzene	0.100	0.1142		mg/Kg		114	70 - 130	8	35
m,p-Xylenes	0.200	0.1889		mg/Kg		94	70 - 130	3	35
o-Xylene	0.100	0.08837		mg/Kg		88	70 - 130	3	35

Surrogate	%Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: MB 880-53491/5-A

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53491

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/16/23 14:29	05/16/23 16:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/16/23 14:29	05/16/23 16:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/16/23 14:29	05/16/23 16:37	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/16/23 14:29	05/16/23 16:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/16/23 14:29	05/16/23 16:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/16/23 14:29	05/16/23 16:37	1

Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/16/23 14:29	05/16/23 16:37	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/16/23 14:29	05/16/23 16:37	1

Lab Sample ID: LCS 880-53491/1-A

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1361	*+	mg/Kg		136	70 - 130
Toluene	0.100	0.1349	*+	mg/Kg		135	70 - 130
Ethylbenzene	0.100	0.1389	*+	mg/Kg		139	70 - 130
m,p-Xylenes	0.200	0.2301		mg/Kg		115	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Lab Sample ID: LCS 880-53491/1-A

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1082		mg/Kg		108	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 880-53491/2-A

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1287		mg/Kg		129	70 - 130	6	35
Toluene	0.100	0.1260		mg/Kg		126	70 - 130	7	35
Ethylbenzene	0.100	0.1292		mg/Kg		129	70 - 130	7	35
m,p-Xylenes	0.200	0.2139		mg/Kg		107	70 - 130	7	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: MB 880-53494/5-A

Matrix: Solid

Analysis Batch: 53673

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53494

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/16/23 14:55	05/18/23 16:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/16/23 14:55	05/18/23 16:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/16/23 14:55	05/18/23 16:09	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/16/23 14:55	05/18/23 16:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/16/23 14:55	05/18/23 16:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/16/23 14:55	05/18/23 16:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	05/16/23 14:55	05/18/23 16:09	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/16/23 14:55	05/18/23 16:09	1

Lab Sample ID: LCS 880-53494/1-A

Matrix: Solid

Analysis Batch: 53673

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09702		mg/Kg		97	70 - 130
Toluene	0.100	0.09851		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1096		mg/Kg		110	70 - 130
m,p-Xylenes	0.200	0.2014		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09829		mg/Kg		98	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Lab Sample ID: LCS 880-53494/1-A

Matrix: Solid

Analysis Batch: 53673

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53494

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-53494/2-A

Matrix: Solid

Analysis Batch: 53673

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53494

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1145		mg/Kg		115	70 - 130	17	35
Toluene	0.100	0.1080		mg/Kg		108	70 - 130	9	35
Ethylbenzene	0.100	0.1088		mg/Kg		109	70 - 130	1	35
m,p-Xylenes	0.200	0.2305		mg/Kg		115	70 - 130	14	35
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130	16	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-28389-A-5-A MB

Matrix: Solid

Analysis Batch: 53540

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53541

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/17/23 13:52	05/17/23 19:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/17/23 13:52	05/17/23 19:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/17/23 13:52	05/17/23 19:36	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/17/23 13:52	05/17/23 19:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/17/23 13:52	05/17/23 19:36	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/17/23 13:52	05/17/23 19:36	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	96		70 - 130	05/17/23 13:52	05/17/23 19:36	1		
1,4-Difluorobenzene (Surr)	98		70 - 130	05/17/23 13:52	05/17/23 19:36	1		

Lab Sample ID: MB 880-53541/5-A

Matrix: Solid

Analysis Batch: 53540

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53541

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/17/23 09:52	05/17/23 14:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/17/23 09:52	05/17/23 14:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/17/23 09:52	05/17/23 14:13	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/17/23 09:52	05/17/23 14:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/17/23 09:52	05/17/23 14:13	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/17/23 09:52	05/17/23 14:13	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Lab Sample ID: MB 880-53541/5-A

Matrix: Solid

Analysis Batch: 53540

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53541

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/17/23 09:52	05/17/23 14:13	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/17/23 09:52	05/17/23 14:13	1

Lab Sample ID: LCS 880-53541/1-A

Matrix: Solid

Analysis Batch: 53540

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1180		mg/Kg		118	70 - 130
Toluene	0.100	0.1226		mg/Kg		123	70 - 130
Ethylbenzene	0.100	0.1258		mg/Kg		126	70 - 130
m,p-Xylenes	0.200	0.2082		mg/Kg		104	70 - 130
o-Xylene	0.100	0.09823		mg/Kg		98	70 - 130

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

Lab Sample ID: LCSD 880-53541/2-A

Matrix: Solid

Analysis Batch: 53540

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53541

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1232		mg/Kg		123	70 - 130	4	35
Toluene	0.100	0.1372	*+	mg/Kg		137	70 - 130	11	35
Ethylbenzene	0.100	0.1272		mg/Kg		127	70 - 130	1	35
m,p-Xylenes	0.200	0.2127		mg/Kg		106	70 - 130	2	35
o-Xylene	0.100	0.09663		mg/Kg		97	70 - 130	2	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

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

Lab Sample ID: MB 880-53232/1-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53232

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/12/23 08:00	05/12/23 08:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/12/23 08:00	05/12/23 08:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 08:00	05/12/23 08:49	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	116		70 - 130	05/12/23 08:00	05/12/23 08:49	1		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Lab Sample ID: MB 880-53232/1-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53232

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>o</i> -Terphenyl (Surr)	135	S1+	70 - 130	05/12/23 08:00	05/12/23 08:49	1

Lab Sample ID: LCS 880-53232/2-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	921.8		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	868.2		mg/Kg		87	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	92		70 - 130
<i>o</i> -Terphenyl (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-53232/3-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53232

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	870.4		mg/Kg		87	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	822.0		mg/Kg		82	70 - 130	5	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	95		70 - 130
<i>o</i> -Terphenyl (Surr)	111		70 - 130

Lab Sample ID: 880-28315-16 MS

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: C-7, .5'-1'

Prep Type: Total/NA

Prep Batch: 53232

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	836.5		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	877.2		mg/Kg		88	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	98		70 - 130
<i>o</i> -Terphenyl (Surr)	102		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Lab Sample ID: 880-28315-16 MSD

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: C-7, .5'-1'

Prep Type: Total/NA

Prep Batch: 53232

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	870.1		mg/Kg		87	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	916.8		mg/Kg		92	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	102		70 - 130								
o-Terphenyl (Surr)	105		70 - 130								

Lab Sample ID: MB 880-53303/1-A

Matrix: Solid

Analysis Batch: 53316

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53303

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/12/23 20:57	05/13/23 08:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/12/23 20:57	05/13/23 08:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 20:57	05/13/23 08:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	163	S1+	70 - 130			05/12/23 20:57	05/13/23 08:25	1
o-Terphenyl (Surr)	130		70 - 130			05/12/23 20:57	05/13/23 08:25	1

Lab Sample ID: LCS 880-53303/2-A

Matrix: Solid

Analysis Batch: 53316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53303

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1086		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1218		mg/Kg		122	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	132	S1+	70 - 130						
o-Terphenyl (Surr)	102		70 - 130						

Lab Sample ID: LCSD 880-53303/3-A

Matrix: Solid

Analysis Batch: 53316

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53303

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1102		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1166		mg/Kg		117	70 - 130	4	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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

Lab Sample ID: LCSD 880-53303/3-A

Matrix: Solid

Analysis Batch: 53316

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53303

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	134	S1+	70 - 130
o-Terphenyl (Surr)	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53261/1-A

Matrix: Solid

Analysis Batch: 53393

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00	mg/Kg			05/15/23 18:10	1	

Lab Sample ID: LCS 880-53261/2-A

Matrix: Solid

Analysis Batch: 53393

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	255.6		mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-53261/3-A

Matrix: Solid

Analysis Batch: 53393

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	255.1		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-53259/1-A

Matrix: Solid

Analysis Batch: 53397

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00	mg/Kg			05/15/23 21:31	1		

Lab Sample ID: LCS 880-53259/2-A

Matrix: Solid

Analysis Batch: 53397

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	244.8		mg/Kg		98	90 - 110	

Lab Sample ID: LCSD 880-53259/3-A

Matrix: Solid

Analysis Batch: 53397

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	244.9		mg/Kg		98	90 - 110	0	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-28315-1 MS											Client Sample ID: C-1, 1'		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 53397													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	54.5		251	298.5		mg/Kg		97	90 - 110				
Lab Sample ID: 880-28315-1 MSD											Client Sample ID: C-1, 1'		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 53397													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	54.5		251	298.9		mg/Kg		97	90 - 110	0	20		
Lab Sample ID: 880-28315-11 MS											Client Sample ID: C-4, 2'		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 53397													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	3450		1240	4785		mg/Kg		108	90 - 110				
Lab Sample ID: 880-28315-11 MSD											Client Sample ID: C-4, 2'		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 53397													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	3450		1240	4783		mg/Kg		108	90 - 110	0	20		

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

GC VOA

Analysis Batch: 53101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-9	C-3, 3'	Total/NA	Solid	8021B	53137
880-28315-11	C-4, 2'	Total/NA	Solid	8021B	53137
880-28315-13	C-5, 1'	Total/NA	Solid	8021B	53203
880-28315-14	C-6, 1'	Total/NA	Solid	8021B	53203
880-28315-15	C-7, 0-.5'	Total/NA	Solid	8021B	53203
880-28315-21	C-10, .5'-1'	Total/NA	Solid	8021B	53137
880-28315-22	C-4, 4'	Total/NA	Solid	8021B	53137
MB 880-53137/5-A	Method Blank	Total/NA	Solid	8021B	53137
MB 880-53203/5-A	Method Blank	Total/NA	Solid	8021B	53203
LCS 880-53137/1-A	Lab Control Sample	Total/NA	Solid	8021B	53137
LCS 880-53203/1-A	Lab Control Sample	Total/NA	Solid	8021B	53203
LCSD 880-53137/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53137
LCSD 880-53203/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53203

Prep Batch: 53104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53104/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 53105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Total/NA	Solid	8021B	53131
880-28315-2	C-1, 2'	Total/NA	Solid	8021B	53131
880-28315-3	C-1, 3'	Total/NA	Solid	8021B	53131
880-28315-4	C-2, 1'	Total/NA	Solid	8021B	53131
880-28315-5	C-2, 2'	Total/NA	Solid	8021B	53131
880-28315-6	C-2, 3'	Total/NA	Solid	8021B	53131
880-28315-7	C-3, 1'	Total/NA	Solid	8021B	53131
880-28315-8	C-3, 2'	Total/NA	Solid	8021B	53131
880-28315-9	C-3, 3'	Total/NA	Solid	8021B	53131
880-28315-20	C-10, 0-.5'	Total/NA	Solid	8021B	53131
MB 880-53104/5-A	Method Blank	Total/NA	Solid	8021B	53104
MB 880-53131/5-A	Method Blank	Total/NA	Solid	8021B	53131
LCS 880-53131/1-A	Lab Control Sample	Total/NA	Solid	8021B	53131
LCSD 880-53131/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53131
880-28315-20 MS	C-10, 0-.5'	Total/NA	Solid	8021B	53131
880-28315-20 MSD	C-10, 0-.5'	Total/NA	Solid	8021B	53131

Prep Batch: 53131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Total/NA	Solid	5035	
880-28315-2	C-1, 2'	Total/NA	Solid	5035	
880-28315-3	C-1, 3'	Total/NA	Solid	5035	
880-28315-4	C-2, 1'	Total/NA	Solid	5035	
880-28315-5	C-2, 2'	Total/NA	Solid	5035	
880-28315-6	C-2, 3'	Total/NA	Solid	5035	
880-28315-7	C-3, 1'	Total/NA	Solid	5035	
880-28315-8	C-3, 2'	Total/NA	Solid	5035	
880-28315-9	C-3, 3'	Total/NA	Solid	5035	
880-28315-20	C-10, 0-.5'	Total/NA	Solid	5035	
MB 880-53131/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53131/1-A	Lab Control Sample	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

GC VOA (Continued)

Prep Batch: 53131 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-53131/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28315-20 MS	C-10, 0-.5'	Total/NA	Solid	5035	
880-28315-20 MSD	C-10, 0-.5'	Total/NA	Solid	5035	

Prep Batch: 53137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-9	C-3, 3'	Total/NA	Solid	5035	
880-28315-11	C-4, 2'	Total/NA	Solid	5035	
880-28315-21	C-10, .5'-1'	Total/NA	Solid	5035	
880-28315-22	C-4, 4'	Total/NA	Solid	5035	
MB 880-53137/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53137/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53137/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 53200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-10	C-4, 1'	Total/NA	Solid	8021B	53202
880-28315-18	C-9, 0-.5'	Total/NA	Solid	8021B	53202
880-28315-19	C-9, .5'-1'	Total/NA	Solid	8021B	53202
MB 880-53202/5-A	Method Blank	Total/NA	Solid	8021B	53202
LCS 880-53202/1-A	Lab Control Sample	Total/NA	Solid	8021B	53202
LCSD 880-53202/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53202

Prep Batch: 53202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-10	C-4, 1'	Total/NA	Solid	5035	
880-28315-18	C-9, 0-.5'	Total/NA	Solid	5035	
880-28315-19	C-9, .5'-1'	Total/NA	Solid	5035	
MB 880-53202/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53202/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53202/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 53203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-13	C-5, 1'	Total/NA	Solid	5035	
880-28315-14	C-6, 1'	Total/NA	Solid	5035	
880-28315-15	C-7, 0-.5'	Total/NA	Solid	5035	
MB 880-53203/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53203/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53203/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 53230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Total/NA	Solid	Total BTEX	
880-28315-2	C-1, 2'	Total/NA	Solid	Total BTEX	
880-28315-3	C-1, 3'	Total/NA	Solid	Total BTEX	
880-28315-4	C-2, 1'	Total/NA	Solid	Total BTEX	
880-28315-5	C-2, 2'	Total/NA	Solid	Total BTEX	
880-28315-6	C-2, 3'	Total/NA	Solid	Total BTEX	
880-28315-7	C-3, 1'	Total/NA	Solid	Total BTEX	
880-28315-8	C-3, 2'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

GC VOA (Continued)

Analysis Batch: 53230 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-9	C-3, 3'	Total/NA	Solid	Total BTEX	
880-28315-10	C-4, 1'	Total/NA	Solid	Total BTEX	
880-28315-11	C-4, 2'	Total/NA	Solid	Total BTEX	
880-28315-12	C-4, 3'	Total/NA	Solid	Total BTEX	
880-28315-13	C-5, 1'	Total/NA	Solid	Total BTEX	
880-28315-14	C-6, 1'	Total/NA	Solid	Total BTEX	
880-28315-15	C-7, 0-.5'	Total/NA	Solid	Total BTEX	
880-28315-16	C-7, .5'-1'	Total/NA	Solid	Total BTEX	
880-28315-17	C-8, 0-.5'	Total/NA	Solid	Total BTEX	
880-28315-18	C-9, 0-.5'	Total/NA	Solid	Total BTEX	
880-28315-19	C-9, .5'-1'	Total/NA	Solid	Total BTEX	
880-28315-20	C-10, 0-.5'	Total/NA	Solid	Total BTEX	
880-28315-21	C-10, .5'-1'	Total/NA	Solid	Total BTEX	
880-28315-22	C-4, 4'	Total/NA	Solid	Total BTEX	

Prep Batch: 53272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Total/NA	Solid	5035	
880-28315-2	C-1, 2'	Total/NA	Solid	5035	
880-28315-3	C-1, 3'	Total/NA	Solid	5035	
880-28315-4	C-2, 1'	Total/NA	Solid	5035	
880-28315-5	C-2, 2'	Total/NA	Solid	5035	
880-28315-6	C-2, 3'	Total/NA	Solid	5035	
880-28315-7	C-3, 1'	Total/NA	Solid	5035	
880-28315-10	C-4, 1'	Total/NA	Solid	5035	
880-28315-13	C-5, 1'	Total/NA	Solid	5035	
880-28315-14	C-6, 1'	Total/NA	Solid	5035	
MB 880-53272/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53272/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53272/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 53334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Total/NA	Solid	8021B	53272
880-28315-2	C-1, 2'	Total/NA	Solid	8021B	53272
880-28315-3	C-1, 3'	Total/NA	Solid	8021B	53272
880-28315-4	C-2, 1'	Total/NA	Solid	8021B	53272
880-28315-5	C-2, 2'	Total/NA	Solid	8021B	53272
880-28315-6	C-2, 3'	Total/NA	Solid	8021B	53272
880-28315-7	C-3, 1'	Total/NA	Solid	8021B	53272
880-28315-10	C-4, 1'	Total/NA	Solid	8021B	53272
880-28315-13	C-5, 1'	Total/NA	Solid	8021B	53272
880-28315-14	C-6, 1'	Total/NA	Solid	8021B	53272
MB 880-53272/5-A	Method Blank	Total/NA	Solid	8021B	53272
LCS 880-53272/1-A	Lab Control Sample	Total/NA	Solid	8021B	53272
LCSD 880-53272/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53272

Analysis Batch: 53488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-12	C-4, 3'	Total/NA	Solid	8021B	53491
880-28315-17	C-8, 0-.5'	Total/NA	Solid	8021B	53491

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

GC VOA (Continued)

Analysis Batch: 53488 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53491/5-A	Method Blank	Total/NA	Solid	8021B	53491
LCS 880-53491/1-A	Lab Control Sample	Total/NA	Solid	8021B	53491
LCSD 880-53491/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53491

Prep Batch: 53491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-12	C-4, 3'	Total/NA	Solid	5035	
880-28315-17	C-8, 0-.5'	Total/NA	Solid	5035	
MB 880-53491/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53491/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53491/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 53494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Total/NA	Solid	5035	
880-28315-2	C-1, 2'	Total/NA	Solid	5035	
MB 880-53494/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53494/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53494/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 53540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-16	C-7, .5'-1'	Total/NA	Solid	8021B	53541
880-28389-A-5-A MB	Method Blank	Total/NA	Solid	8021B	53541
MB 880-53541/5-A	Method Blank	Total/NA	Solid	8021B	53541
LCS 880-53541/1-A	Lab Control Sample	Total/NA	Solid	8021B	53541
LCSD 880-53541/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53541

Prep Batch: 53541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-16	C-7, .5'-1'	Total/NA	Solid	5035	
880-28389-A-5-A MB	Method Blank	Total/NA	Solid	5035	
MB 880-53541/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53541/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53541/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 53673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Total/NA	Solid	8021B	53494
880-28315-2	C-1, 2'	Total/NA	Solid	8021B	53494
MB 880-53494/5-A	Method Blank	Total/NA	Solid	8021B	53494
LCS 880-53494/1-A	Lab Control Sample	Total/NA	Solid	8021B	53494
LCSD 880-53494/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53494

GC Semi VOA

Analysis Batch: 53193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Total/NA	Solid	8015B NM	53232
880-28315-2	C-1, 2'	Total/NA	Solid	8015B NM	53232
880-28315-3	C-1, 3'	Total/NA	Solid	8015B NM	53232

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

GC Semi VOA (Continued)

Analysis Batch: 53193 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-4	C-2, 1'	Total/NA	Solid	8015B NM	53232
880-28315-5	C-2, 2'	Total/NA	Solid	8015B NM	53232
880-28315-6	C-2, 3'	Total/NA	Solid	8015B NM	53232
880-28315-7	C-3, 1'	Total/NA	Solid	8015B NM	53232
880-28315-8	C-3, 2'	Total/NA	Solid	8015B NM	53232
880-28315-9	C-3, 3'	Total/NA	Solid	8015B NM	53232
880-28315-10	C-4, 1'	Total/NA	Solid	8015B NM	53232
880-28315-11	C-4, 2'	Total/NA	Solid	8015B NM	53232
880-28315-12	C-4, 3'	Total/NA	Solid	8015B NM	53232
880-28315-13	C-5, 1'	Total/NA	Solid	8015B NM	53232
880-28315-14	C-6, 1'	Total/NA	Solid	8015B NM	53232
880-28315-15	C-7, 0-.5'	Total/NA	Solid	8015B NM	53232
880-28315-16	C-7, .5'-1'	Total/NA	Solid	8015B NM	53232
880-28315-17	C-8, 0-.5'	Total/NA	Solid	8015B NM	53232
880-28315-18	C-9, 0-.5'	Total/NA	Solid	8015B NM	53232
880-28315-19	C-9, .5'-1'	Total/NA	Solid	8015B NM	53232
880-28315-20	C-10, 0-.5'	Total/NA	Solid	8015B NM	53232
MB 880-53232/1-A	Method Blank	Total/NA	Solid	8015B NM	53232
LCS 880-53232/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53232
LCSD 880-53232/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53232
880-28315-16 MS	C-7, .5'-1'	Total/NA	Solid	8015B NM	53232
880-28315-16 MSD	C-7, .5'-1'	Total/NA	Solid	8015B NM	53232

Prep Batch: 53232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Total/NA	Solid	8015NM Prep	
880-28315-2	C-1, 2'	Total/NA	Solid	8015NM Prep	
880-28315-3	C-1, 3'	Total/NA	Solid	8015NM Prep	
880-28315-4	C-2, 1'	Total/NA	Solid	8015NM Prep	
880-28315-5	C-2, 2'	Total/NA	Solid	8015NM Prep	
880-28315-6	C-2, 3'	Total/NA	Solid	8015NM Prep	
880-28315-7	C-3, 1'	Total/NA	Solid	8015NM Prep	
880-28315-8	C-3, 2'	Total/NA	Solid	8015NM Prep	
880-28315-9	C-3, 3'	Total/NA	Solid	8015NM Prep	
880-28315-10	C-4, 1'	Total/NA	Solid	8015NM Prep	
880-28315-11	C-4, 2'	Total/NA	Solid	8015NM Prep	
880-28315-12	C-4, 3'	Total/NA	Solid	8015NM Prep	
880-28315-13	C-5, 1'	Total/NA	Solid	8015NM Prep	
880-28315-14	C-6, 1'	Total/NA	Solid	8015NM Prep	
880-28315-15	C-7, 0-.5'	Total/NA	Solid	8015NM Prep	
880-28315-16	C-7, .5'-1'	Total/NA	Solid	8015NM Prep	
880-28315-17	C-8, 0-.5'	Total/NA	Solid	8015NM Prep	
880-28315-18	C-9, 0-.5'	Total/NA	Solid	8015NM Prep	
880-28315-19	C-9, .5'-1'	Total/NA	Solid	8015NM Prep	
880-28315-20	C-10, 0-.5'	Total/NA	Solid	8015NM Prep	
MB 880-53232/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53232/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53232/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28315-16 MS	C-7, .5'-1'	Total/NA	Solid	8015NM Prep	
880-28315-16 MSD	C-7, .5'-1'	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

GC Semi VOA

Prep Batch: 53303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-21	C-10, .5'-1'	Total/NA	Solid	8015NM Prep	
880-28315-22	C-4, 4'	Total/NA	Solid	8015NM Prep	
MB 880-53303/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53303/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53303/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-21	C-10, .5'-1'	Total/NA	Solid	8015B NM	53303
880-28315-22	C-4, 4'	Total/NA	Solid	8015B NM	53303
MB 880-53303/1-A	Method Blank	Total/NA	Solid	8015B NM	53303
LCS 880-53303/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53303
LCSD 880-53303/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53303

Analysis Batch: 53425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Total/NA	Solid	8015 NM	
880-28315-2	C-1, 2'	Total/NA	Solid	8015 NM	
880-28315-3	C-1, 3'	Total/NA	Solid	8015 NM	
880-28315-4	C-2, 1'	Total/NA	Solid	8015 NM	
880-28315-5	C-2, 2'	Total/NA	Solid	8015 NM	
880-28315-6	C-2, 3'	Total/NA	Solid	8015 NM	
880-28315-7	C-3, 1'	Total/NA	Solid	8015 NM	
880-28315-8	C-3, 2'	Total/NA	Solid	8015 NM	
880-28315-9	C-3, 3'	Total/NA	Solid	8015 NM	
880-28315-10	C-4, 1'	Total/NA	Solid	8015 NM	
880-28315-11	C-4, 2'	Total/NA	Solid	8015 NM	
880-28315-12	C-4, 3'	Total/NA	Solid	8015 NM	
880-28315-13	C-5, 1'	Total/NA	Solid	8015 NM	
880-28315-14	C-6, 1'	Total/NA	Solid	8015 NM	
880-28315-15	C-7, 0-.5'	Total/NA	Solid	8015 NM	
880-28315-16	C-7, .5'-1'	Total/NA	Solid	8015 NM	
880-28315-17	C-8, 0-.5'	Total/NA	Solid	8015 NM	
880-28315-18	C-9, 0-.5'	Total/NA	Solid	8015 NM	
880-28315-19	C-9, .5'-1'	Total/NA	Solid	8015 NM	
880-28315-20	C-10, 0-.5'	Total/NA	Solid	8015 NM	
880-28315-21	C-10, .5'-1'	Total/NA	Solid	8015 NM	
880-28315-22	C-4, 4'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 53259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Soluble	Solid	DI Leach	
880-28315-2	C-1, 2'	Soluble	Solid	DI Leach	
880-28315-3	C-1, 3'	Soluble	Solid	DI Leach	
880-28315-4	C-2, 1'	Soluble	Solid	DI Leach	
880-28315-5	C-2, 2'	Soluble	Solid	DI Leach	
880-28315-6	C-2, 3'	Soluble	Solid	DI Leach	
880-28315-7	C-3, 1'	Soluble	Solid	DI Leach	
880-28315-8	C-3, 2'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

HPLC/IC (Continued)

Leach Batch: 53259 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-9	C-3, 3'	Soluble	Solid	DI Leach	
880-28315-10	C-4, 1'	Soluble	Solid	DI Leach	
880-28315-11	C-4, 2'	Soluble	Solid	DI Leach	
880-28315-12	C-4, 3'	Soluble	Solid	DI Leach	
880-28315-13	C-5, 1'	Soluble	Solid	DI Leach	
880-28315-14	C-6, 1'	Soluble	Solid	DI Leach	
880-28315-15	C-7, 0-.5'	Soluble	Solid	DI Leach	
880-28315-16	C-7, .5'-1'	Soluble	Solid	DI Leach	
880-28315-17	C-8, 0-.5'	Soluble	Solid	DI Leach	
880-28315-18	C-9, 0-.5'	Soluble	Solid	DI Leach	
880-28315-19	C-9, .5'-1'	Soluble	Solid	DI Leach	
880-28315-20	C-10, 0-.5'	Soluble	Solid	DI Leach	
MB 880-53259/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53259/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53259/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28315-1 MS	C-1, 1'	Soluble	Solid	DI Leach	
880-28315-1 MSD	C-1, 1'	Soluble	Solid	DI Leach	
880-28315-11 MS	C-4, 2'	Soluble	Solid	DI Leach	
880-28315-11 MSD	C-4, 2'	Soluble	Solid	DI Leach	

Leach Batch: 53261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-21	C-10, .5'-1'	Soluble	Solid	DI Leach	
880-28315-22	C-4, 4'	Soluble	Solid	DI Leach	
MB 880-53261/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53261/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53261/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 53393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-21	C-10, .5'-1'	Soluble	Solid	300.0	53261
880-28315-22	C-4, 4'	Soluble	Solid	300.0	53261
MB 880-53261/1-A	Method Blank	Soluble	Solid	300.0	53261
LCS 880-53261/2-A	Lab Control Sample	Soluble	Solid	300.0	53261
LCSD 880-53261/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53261

Analysis Batch: 53397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-1	C-1, 1'	Soluble	Solid	300.0	53259
880-28315-2	C-1, 2'	Soluble	Solid	300.0	53259
880-28315-3	C-1, 3'	Soluble	Solid	300.0	53259
880-28315-4	C-2, 1'	Soluble	Solid	300.0	53259
880-28315-5	C-2, 2'	Soluble	Solid	300.0	53259
880-28315-6	C-2, 3'	Soluble	Solid	300.0	53259
880-28315-7	C-3, 1'	Soluble	Solid	300.0	53259
880-28315-8	C-3, 2'	Soluble	Solid	300.0	53259
880-28315-9	C-3, 3'	Soluble	Solid	300.0	53259
880-28315-10	C-4, 1'	Soluble	Solid	300.0	53259
880-28315-11	C-4, 2'	Soluble	Solid	300.0	53259
880-28315-12	C-4, 3'	Soluble	Solid	300.0	53259
880-28315-13	C-5, 1'	Soluble	Solid	300.0	53259

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

HPLC/IC (Continued)

Analysis Batch: 53397 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28315-14	C-6, 1'	Soluble	Solid	300.0	53259
880-28315-15	C-7, 0-.5'	Soluble	Solid	300.0	53259
880-28315-16	C-7, .5'-1'	Soluble	Solid	300.0	53259
880-28315-17	C-8, 0-.5'	Soluble	Solid	300.0	53259
880-28315-18	C-9, 0-.5'	Soluble	Solid	300.0	53259
880-28315-19	C-9, .5'-1'	Soluble	Solid	300.0	53259
880-28315-20	C-10, 0-.5'	Soluble	Solid	300.0	53259
MB 880-53259/1-A	Method Blank	Soluble	Solid	300.0	53259
LCS 880-53259/2-A	Lab Control Sample	Soluble	Solid	300.0	53259
LCSD 880-53259/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53259
880-28315-1 MS	C-1, 1'	Soluble	Solid	300.0	53259
880-28315-1 MSD	C-1, 1'	Soluble	Solid	300.0	53259
880-28315-11 MS	C-4, 2'	Soluble	Solid	300.0	53259
880-28315-11 MSD	C-4, 2'	Soluble	Solid	300.0	53259

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-1, 1'
Date Collected: 05/10/23 11:00
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53131	05/11/23 11:07	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53105	05/12/23 01:08	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53334	05/15/23 18:06	MNR	EET MID
Total/NA	Prep	5035			5.05 g	5 mL	53494	05/16/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53673	05/18/23 23:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53193	05/12/23 13:13	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/15/23 21:47	SMC	EET MID

Client Sample ID: C-1, 2'
Date Collected: 05/10/23 11:05
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-2
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			4.96 g	5 mL	53131	05/11/23 11:07	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53105	05/12/23 01:29	MNR	EET MID
Total/NA	Prep	5035			5.00 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53334	05/15/23 18:26	MNR	EET MID
Total/NA	Prep	5035			5.04 g	5 mL	53494	05/16/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53673	05/19/23 00:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53193	05/12/23 13:35	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/15/23 22:03	SMC	EET MID

Client Sample ID: C-1, 3'
Date Collected: 05/10/23 11:10
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53131	05/11/23 11:07	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53105	05/12/23 01:50	MNR	EET MID
Total/NA	Prep	5035			4.95 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53334	05/15/23 21:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53193	05/12/23 16:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-1, 3'**Lab Sample ID: 880-28315-3****Date Collected: 05/10/23 11:10****Matrix: Solid****Date Received: 05/11/23 08:05**

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	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/15/23 22:08	SMC	EET MID

Client Sample ID: C-2, 1'**Lab Sample ID: 880-28315-4****Date Collected: 05/10/23 11:15****Matrix: Solid****Date Received: 05/11/23 08:05**

Prep 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	53131	05/11/23 11:07	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53105	05/12/23 02:10	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53334	05/15/23 22:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53193	05/12/23 17:02	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/15/23 22:14	SMC	EET MID

Client Sample ID: C-2, 2'**Lab Sample ID: 880-28315-5****Date Collected: 05/10/23 11:20****Matrix: Solid****Date Received: 05/11/23 08:05**

Prep 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	53131	05/11/23 11:07	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53105	05/12/23 02:31	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53334	05/15/23 20:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 12:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/15/23 22:19	SMC	EET MID

Client Sample ID: C-2, 3'**Lab Sample ID: 880-28315-6****Date Collected: 05/10/23 11:25****Matrix: Solid****Date Received: 05/11/23 08:05**

Prep 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	53131	05/11/23 11:07	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53105	05/12/23 02:52	MNR	EET MID
Total/NA	Prep	5035			5.00 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53334	05/15/23 21:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 10:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-2, 3'
Date Collected: 05/10/23 11:25
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 12:30	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/15/23 22:35	SMC	EET MID

Client Sample ID: C-3, 1'
Date Collected: 05/10/23 11:30
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-7
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			4.95 g	5 mL	53131	05/11/23 11:07	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53105	05/12/23 03:12	MNR	EET MID
Total/NA	Prep	5035			4.96 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53334	05/15/23 21:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53193	05/12/23 17:26	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		10			53397	05/15/23 22:40	SMC	EET MID

Client Sample ID: C-3, 2'
Date Collected: 05/10/23 11:35
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-8
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	53131	05/11/23 11:07	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53105	05/12/23 03:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 14:40	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		10			53397	05/15/23 22:46	SMC	EET MID

Client Sample ID: C-3, 3'
Date Collected: 05/10/23 11:40
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-9
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	53131	05/11/23 11:07	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53105	05/12/23 03:54	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	53137	05/11/23 11:53	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	53101	05/12/23 14:13	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-3, 3'
Date Collected: 05/10/23 11:40
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 15:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		10			53397	05/15/23 22:51	SMC	EET MID

Client Sample ID: C-4, 1'
Date Collected: 05/10/23 11:45
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-10
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			5.03 g	5 mL	53202	05/12/23 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53200	05/12/23 21:07	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53334	05/15/23 22:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/15/23 15:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53193	05/12/23 13:57	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		10			53397	05/15/23 22:57	SMC	EET MID

Client Sample ID: C-4, 2'
Date Collected: 05/10/23 11:50
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-11
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			5.02 g	5 mL	53137	05/11/23 11:53	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53101	05/12/23 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 15:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 18:09	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		5			53397	05/15/23 23:02	SMC	EET MID

Client Sample ID: C-4, 3'
Date Collected: 05/10/23 11:55
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-12
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			5.05 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	53488	05/16/23 19:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/17/23 16:29	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-4, 3'
Date Collected: 05/10/23 11:55
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 17:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		5			53397	05/15/23 23:18	SMC	EET MID

Client Sample ID: C-5, 1'
Date Collected: 05/10/23 12:00
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53334	05/15/23 23:00	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	53203	05/12/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53101	05/13/23 06:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/15/23 17:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53193	05/12/23 16:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/15/23 23:24	SMC	EET MID

Client Sample ID: C-6, 1'
Date Collected: 05/10/23 12:05
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53334	05/15/23 23:21	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	53203	05/12/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53101	05/13/23 07:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/15/23 17:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53193	05/12/23 14:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		20			53397	05/15/23 23:40	SMC	EET MID

Client Sample ID: C-7, 0-.5'
Date Collected: 05/10/23 12:10
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53203	05/12/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53101	05/13/23 04:39	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-7, 0-.5'
Date Collected: 05/10/23 12:10
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			53230	05/15/23 17:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 15:24	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/15/23 23:45	SMC	EET MID

Client Sample ID: C-7, .5'-1'
Date Collected: 05/10/23 12:15
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53541	05/17/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		5	5 mL	5 mL	53540	05/17/23 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/18/23 14:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 11:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/15/23 23:50	SMC	EET MID

Client Sample ID: C-8, 0-.5'
Date Collected: 05/10/23 12:20
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53491	05/16/23 16:29	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	53488	05/17/23 01:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/17/23 16:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 18:31	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/15/23 23:56	SMC	EET MID

Client Sample ID: C-9, 0-.5'
Date Collected: 05/10/23 12:25
Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53202	05/12/23 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/12/23 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/15/23 15:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-9, 0-.5'

Lab Sample ID: 880-28315-18

Date Collected: 05/10/23 12:25

Matrix: Solid

Date Received: 05/11/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 18:52	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/16/23 00:01	SMC	EET MID

Client Sample ID: C-9, .5'-1'

Lab Sample ID: 880-28315-19

Date Collected: 05/10/23 12:30

Matrix: Solid

Date Received: 05/11/23 08:05

Prep 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	53202	05/12/23 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/12/23 18:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/15/23 15:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 19:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/16/23 00:06	SMC	EET MID

Client Sample ID: C-10, 0-.5'

Lab Sample ID: 880-28315-20

Date Collected: 05/10/23 12:35

Matrix: Solid

Date Received: 05/11/23 08:05

Prep 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	53131	05/11/23 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53105	05/12/23 00:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53232	05/12/23 10:42	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 19:35	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	53259	05/12/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			53397	05/16/23 00:12	SMC	EET MID

Client Sample ID: C-10, .5'-1'

Lab Sample ID: 880-28315-21

Date Collected: 05/10/23 12:40

Matrix: Solid

Date Received: 05/11/23 08:05

Prep 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	53137	05/11/23 11:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/12/23 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 15:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53303	05/12/23 20:57	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/13/23 17:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Client Sample ID: C-10, .5'-1'

Date Collected: 05/10/23 12:40

Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	53261	05/12/23 13:03	KS	EET MID
Soluble	Analysis	300.0		1			53393	05/15/23 20:34	SMC	EET MID

Client Sample ID: C-4, 4'

Date Collected: 05/10/23 12:45

Date Received: 05/11/23 08:05

Lab Sample ID: 880-28315-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53137	05/11/23 11:53	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53101	05/12/23 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53230	05/12/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			53425	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53303	05/12/23 20:57	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/13/23 17:51	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53261	05/12/23 13:03	KS	EET MID
Soluble	Analysis	300.0		1			53393	05/15/23 20:40	SMC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

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: V-F Petroleum Eidson 23

Job ID: 880-28315-1
SDG: 23-0111-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28315-1	C-1, 1'	Solid	05/10/23 11:00	05/11/23 08:05
880-28315-2	C-1, 2'	Solid	05/10/23 11:05	05/11/23 08:05
880-28315-3	C-1, 3'	Solid	05/10/23 11:10	05/11/23 08:05
880-28315-4	C-2, 1'	Solid	05/10/23 11:15	05/11/23 08:05
880-28315-5	C-2, 2'	Solid	05/10/23 11:20	05/11/23 08:05
880-28315-6	C-2, 3'	Solid	05/10/23 11:25	05/11/23 08:05
880-28315-7	C-3, 1'	Solid	05/10/23 11:30	05/11/23 08:05
880-28315-8	C-3, 2'	Solid	05/10/23 11:35	05/11/23 08:05
880-28315-9	C-3, 3'	Solid	05/10/23 11:40	05/11/23 08:05
880-28315-10	C-4, 1'	Solid	05/10/23 11:45	05/11/23 08:05
880-28315-11	C-4, 2'	Solid	05/10/23 11:50	05/11/23 08:05
880-28315-12	C-4, 3'	Solid	05/10/23 11:55	05/11/23 08:05
880-28315-13	C-5, 1'	Solid	05/10/23 12:00	05/11/23 08:05
880-28315-14	C-6, 1'	Solid	05/10/23 12:05	05/11/23 08:05
880-28315-15	C-7, 0-.5'	Solid	05/10/23 12:10	05/11/23 08:05
880-28315-16	C-7, .5'-1'	Solid	05/10/23 12:15	05/11/23 08:05
880-28315-17	C-8, 0-.5'	Solid	05/10/23 12:20	05/11/23 08:05
880-28315-18	C-9, 0-.5'	Solid	05/10/23 12:25	05/11/23 08:05
880-28315-19	C-9, .5'-1'	Solid	05/10/23 12:30	05/11/23 08:05
880-28315-20	C-10, 0-.5'	Solid	05/10/23 12:35	05/11/23 08:05
880-28315-21	C-10, .5'-1'	Solid	05/10/23 12:40	05/11/23 08:05
880-28315-22	C-4, 4'	Solid	05/10/23 12:45	05/11/23 08:05

1935

No. 2996

CHAIN-OF-CUSTODY

[illegible]

28315 No. 2997

CHAIN-OF-CUSTODY

DATE 5-10-23 PAGE 2 OF 2

LAB WORK ORDER# 28315

PROJECT LOCATION OR NAME V-F Petroleum Field SOH 23

LAI PROJECT # 23-011-01 COLLECTOR KE-1 MF

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

Arson & Associates, Inc.
Environmental Consultants

Data Reported to

TRRP report?

☐ Yes ☒ No

TIME ZONE

Time zone/State
Mnt / NMField
Sample I DC-7, 5'-1'C-8, 0'-5'C-9, 0'-5'C-9, 5'-1'C-10, 0'-5'C-4, 5'-1'C-4, 4'

S=SOIL
W=WATER
A=AIR

P=PAINT
SL=SLUDGE
OT=OTHER

Lab #

Date

Time

Matrix

of Containers

PRESERVATION

UNPRESERVED

HCl

HNO₃H₂SO₄

NaOH

ICE

Loc: 880

28315

LABORATORY USE ONLY:

RECEIVING TEMP

-13/10 THERM#

1R-8

CUSTODY SEALS -

☐ BROKEN ☐ INTACT ☐ NOT USED☐ CARRIER BILL #☒ HAND DELIVERED

TURN AROUND TIME

NORMAL

1 DAY ☒2 DAY ☐OTHER ☐

RECEIVED BY (Signature)

8:05

DATE/TIME

5/10/23

RECEIVED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

DATE/TIME

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TOTAL

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-28315-1

SDG Number: 23-0111-02

Login Number: 28315

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 8/28/2023 11:04:21 AM

JOB DESCRIPTION

Eidson 23 #1
SDG NUMBER 23-0111-01

JOB NUMBER

880-32063-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
8/28/2023 11:04:21 AM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Laboratory Job ID: 880-32063-1
SDG: 23-0111-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
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: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Job ID: 880-32063-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-32063-1**

Receipt

The samples were received on 8/15/2023 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°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 samples were outside control limits: S-6,3 (880-32063-7). 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 880-60963 recovered below the lower control limit for Benzene, Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60963/20).

Method 8021B: Spike compounds were inadvertently omitted during the extraction process for the matrix spike duplicate (MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-61015 and analytical batch 880-60963. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: S-6,3 (880-32063-7). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-5,3 (880-32063-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: S-5,5 (880-32063-12). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-6,3 (880-32063-7) and S-5,3 (880-32063-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-61151 and analytical batch 880-61057 recovered outside control limits for the following analytes: m,p-Xylenes and o-Xylene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

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 880-60785 and analytical batch 880-60778 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-4,5 (880-32063-5) and S-6,10 (880-32063-9). 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: S-6,3 (880-32063-7) and S-5,3 (880-32063-11). 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: (CCV 880-60778/20), (CCV 880-60778/31) and (CCV 880-60778/5). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Job ID: 880-32063-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

HPLC/IC

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-13, 0-1

Lab Sample ID: 880-32063-1

Date Collected: 08/14/23 09:05

Matrix: Solid

Date Received: 08/15/23 08:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198	mg/Kg		08/24/23 13:35	08/25/23 02:19	1
Toluene	0.00303	F1	0.00198	mg/Kg		08/24/23 13:35	08/25/23 02:19	1
Ethylbenzene	<0.00198	U F1 F2	0.00198	mg/Kg		08/24/23 13:35	08/25/23 02:19	1
m,p-Xylenes	<0.00396	U F1 F2	0.00396	mg/Kg		08/24/23 13:35	08/25/23 02:19	1
o-Xylene	<0.00198	U F1 F2	0.00198	mg/Kg		08/24/23 13:35	08/25/23 02:19	1
Xylenes, Total	<0.00396	U F1	0.00396	mg/Kg		08/24/23 13:35	08/25/23 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	08/24/23 13:35	08/25/23 02:19	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/24/23 13:35	08/25/23 02:19	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			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/23/23 11:48	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	<50.4	U	50.4	mg/Kg		08/22/23 09:37	08/22/23 12:38	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/22/23 09:37	08/22/23 12:38	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/22/23 09:37	08/22/23 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	08/22/23 09:37	08/22/23 12:38	1
o-Terphenyl (Surr)	109		70 - 130	08/22/23 09:37	08/22/23 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.6		5.03	mg/Kg			08/18/23 13:41	1

Client Sample ID: S-12, 0-1

Lab Sample ID: 880-32063-2

Date Collected: 08/14/23 09:21

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 02:40	1
Toluene	0.00369		0.00201	mg/Kg		08/24/23 13:35	08/25/23 02:40	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/24/23 13:35	08/25/23 02:40	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/24/23 13:35	08/25/23 02:40	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/24/23 13:35	08/25/23 02:40	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/24/23 13:35	08/25/23 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	08/24/23 13:35	08/25/23 02:40	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/24/23 13:35	08/25/23 02:40	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-12, 0-1

Lab Sample ID: 880-32063-2

Date Collected: 08/14/23 09:21

Matrix: Solid

Date Received: 08/15/23 08:30

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			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/23/23 11:48	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	<50.5	U	50.5	mg/Kg		08/22/23 09:37	08/22/23 13:00	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/22/23 09:37	08/22/23 13:00	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/22/23 09:37	08/22/23 13:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			08/22/23 09:37	08/22/23 13:00	1
o-Terphenyl (Surr)	111		70 - 130			08/22/23 09:37	08/22/23 13:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.5		4.98	mg/Kg			08/18/23 14:03	1

Client Sample ID: S-14, 0-1

Lab Sample ID: 880-32063-3

Date Collected: 08/14/23 09:26

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 03:00	1
Toluene	0.00235		0.00202	mg/Kg		08/24/23 13:35	08/25/23 03:00	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/24/23 13:35	08/25/23 03:00	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/24/23 13:35	08/25/23 03:00	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/24/23 13:35	08/25/23 03:00	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/24/23 13:35	08/25/23 03:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			08/24/23 13:35	08/25/23 03:00	1
1,4-Difluorobenzene (Surr)	98		70 - 130			08/24/23 13:35	08/25/23 03:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/23/23 11:48	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	<49.6	U	49.6	mg/Kg		08/22/23 09:37	08/22/23 13:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/22/23 09:37	08/22/23 13:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-14, 0-1

Lab Sample ID: 880-32063-3

Date Collected: 08/14/23 09:26

Matrix: Solid

Date Received: 08/15/23 08:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/22/23 09:37	08/22/23 13:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			08/22/23 09:37	08/22/23 13:22	1
o-Terphenyl (Surr)	115		70 - 130			08/22/23 09:37	08/22/23 13:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.4		4.96	mg/Kg			08/18/23 14:10	1

Client Sample ID: S-15, 0-1

Lab Sample ID: 880-32063-4

Date Collected: 08/14/23 09:31

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 03:20	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/24/23 13:35	08/25/23 03:20	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/24/23 13:35	08/25/23 03:20	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/24/23 13:35	08/25/23 03:20	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/24/23 13:35	08/25/23 03:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/24/23 13:35	08/25/23 03:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130			08/24/23 13:35	08/25/23 03:20	1
1,4-Difluorobenzene (Surr)	103		70 - 130			08/24/23 13:35	08/25/23 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			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5	mg/Kg			08/23/23 11:48	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	<49.5	U	49.5	mg/Kg		08/22/23 09:37	08/22/23 13:44	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5	mg/Kg		08/22/23 09:37	08/22/23 13:44	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		08/22/23 09:37	08/22/23 13:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			08/22/23 09:37	08/22/23 13:44	1
o-Terphenyl (Surr)	114		70 - 130			08/22/23 09:37	08/22/23 13:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.9		5.04	mg/Kg			08/18/23 14:17	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-4,5

Lab Sample ID: 880-32063-5

Date Collected: 08/14/23 09:36

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 03:41	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 03:41	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 03:41	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		08/24/23 13:35	08/25/23 03:41	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 03:41	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/24/23 13:35	08/25/23 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	08/24/23 13:35	08/25/23 03:41	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/24/23 13:35	08/25/23 03:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/23/23 11:48	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	<49.6	U	49.6	mg/Kg		08/22/23 09:37	08/22/23 14:06	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/22/23 09:37	08/22/23 14:06	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/22/23 09:37	08/22/23 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130	08/22/23 09:37	08/22/23 14:06	1
o-Terphenyl (Surr)	138	S1+	70 - 130	08/22/23 09:37	08/22/23 14:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	964		4.95	mg/Kg			08/18/23 14:24	1

Client Sample ID: S-4, 10

Lab Sample ID: 880-32063-6

Date Collected: 08/14/23 09:41

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 04:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/24/23 13:35	08/25/23 04:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/24/23 13:35	08/25/23 04:01	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/24/23 13:35	08/25/23 04:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/24/23 13:35	08/25/23 04:01	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/24/23 13:35	08/25/23 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	08/24/23 13:35	08/25/23 04:01	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/24/23 13:35	08/25/23 04:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-4, 10

Lab Sample ID: 880-32063-6

Date Collected: 08/14/23 09:41

Matrix: Solid

Date Received: 08/15/23 08:30

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			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			08/23/23 11:48	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		08/22/23 09:37	08/22/23 14:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/22/23 09:37	08/22/23 14:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/22/23 09:37	08/22/23 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			08/22/23 09:37	08/22/23 14:29	1
o-Terphenyl (Surr)	114		70 - 130			08/22/23 09:37	08/22/23 14:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.5		4.97	mg/Kg			08/18/23 14:46	1

Client Sample ID: S-6,3

Lab Sample ID: 880-32063-7

Date Collected: 08/14/23 09:43

Matrix: Solid

Date Received: 08/15/23 08:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.100	U	0.100	mg/Kg		08/24/23 13:35	08/25/23 05:23	50
Toluene	16.3		0.100	mg/Kg		08/24/23 13:35	08/25/23 05:23	50
Ethylbenzene	53.4		0.399	mg/Kg		08/25/23 15:10	08/26/23 06:56	200
m,p-Xylenes	29.2		0.200	mg/Kg		08/24/23 13:35	08/25/23 05:23	50
o-Xylene	9.01		0.100	mg/Kg		08/24/23 13:35	08/25/23 05:23	50
Xylenes, Total	38.2		0.200	mg/Kg		08/24/23 13:35	08/25/23 05:23	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			08/24/23 13:35	08/25/23 05:23	50
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130			08/24/23 13:35	08/25/23 05:23	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	108		0.399	mg/Kg			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4340		49.7	mg/Kg			08/23/23 11:48	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	1250		49.7	mg/Kg		08/22/23 09:37	08/22/23 18:27	1
Diesel Range Organics (Over C10-C28)	2950		49.7	mg/Kg		08/22/23 09:37	08/22/23 18:27	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-6,3

Lab Sample ID: 880-32063-7

Date Collected: 08/14/23 09:43

Matrix: Solid

Date Received: 08/15/23 08:30

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)	135		49.7	mg/Kg		08/22/23 09:37	08/22/23 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130			08/22/23 09:37	08/22/23 18:27	1
o-Terphenyl (Surr)	126		70 - 130			08/22/23 09:37	08/22/23 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5730		50.2	mg/Kg			08/18/23 14:53	10

Client Sample ID: S-6,5

Lab Sample ID: 880-32063-8

Date Collected: 08/14/23 09:45

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 04:22	1
Toluene	0.00466		0.00198	mg/Kg		08/24/23 13:35	08/25/23 04:22	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 04:22	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/24/23 13:35	08/25/23 04:22	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 04:22	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/24/23 13:35	08/25/23 04:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			08/24/23 13:35	08/25/23 04:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130			08/24/23 13:35	08/25/23 04:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00466		0.00396	mg/Kg			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.3		50.1	mg/Kg			08/23/23 11:48	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	69.3		50.1	mg/Kg		08/22/23 09:37	08/22/23 14:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		08/22/23 09:37	08/22/23 14:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		08/22/23 09:37	08/22/23 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			08/22/23 09:37	08/22/23 14:50	1
o-Terphenyl (Surr)	129		70 - 130			08/22/23 09:37	08/22/23 14:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8820		50.5	mg/Kg			08/18/23 15:00	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-6,10

Lab Sample ID: 880-32063-9

Date Collected: 08/14/23 09:47

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 04:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/24/23 13:35	08/25/23 04:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/24/23 13:35	08/25/23 04:42	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/24/23 13:35	08/25/23 04:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/24/23 13:35	08/25/23 04:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/24/23 13:35	08/25/23 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	08/24/23 13:35	08/25/23 04:42	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/24/23 13:35	08/25/23 04:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/23/23 11:48	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	<50.4	U	50.4	mg/Kg		08/22/23 09:37	08/22/23 15:12	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/22/23 09:37	08/22/23 15:12	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/22/23 09:37	08/22/23 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	08/22/23 09:37	08/22/23 15:12	1
o-Terphenyl (Surr)	132	S1+	70 - 130	08/22/23 09:37	08/22/23 15:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	272		5.01	mg/Kg			08/18/23 15:07	1

Client Sample ID: S-6,14

Lab Sample ID: 880-32063-10

Date Collected: 08/14/23 09:51

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 05:02	1
Toluene	0.0123		0.00202	mg/Kg		08/24/23 13:35	08/25/23 05:02	1
Ethylbenzene	0.00301		0.00202	mg/Kg		08/24/23 13:35	08/25/23 05:02	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		08/24/23 13:35	08/25/23 05:02	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/24/23 13:35	08/25/23 05:02	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		08/24/23 13:35	08/25/23 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	08/24/23 13:35	08/25/23 05:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/24/23 13:35	08/25/23 05:02	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-6,14

Lab Sample ID: 880-32063-10

Date Collected: 08/14/23 09:51

Matrix: Solid

Date Received: 08/15/23 08:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0153		0.00404	mg/Kg			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/23/23 11:48	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	<50.5	U	50.5	mg/Kg		08/22/23 09:37	08/22/23 15:55	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/22/23 09:37	08/22/23 15:55	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/22/23 09:37	08/22/23 15:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			08/22/23 09:37	08/22/23 15:55	1
o-Terphenyl (Surr)	117		70 - 130			08/22/23 09:37	08/22/23 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	495		5.00	mg/Kg			08/18/23 15:15	1

Client Sample ID: S-5,3

Lab Sample ID: 880-32063-11

Date Collected: 08/14/23 10:53

Matrix: Solid

Date Received: 08/15/23 08:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.05		0.100	mg/Kg		08/24/23 13:35	08/25/23 09:56	50
Toluene	248		1.98	mg/Kg		08/25/23 15:10	08/26/23 07:17	1000
Ethylbenzene	238		1.98	mg/Kg		08/25/23 15:10	08/26/23 07:17	1000
m,p-Xylenes	123	++	3.96	mg/Kg		08/25/23 15:10	08/26/23 07:17	1000
o-Xylene	62.6	++	1.98	mg/Kg		08/25/23 15:10	08/26/23 07:17	1000
Xylenes, Total	186	++	3.96	mg/Kg		08/25/23 15:10	08/26/23 07:17	1000
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			08/24/23 13:35	08/25/23 09:56	50
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130			08/24/23 13:35	08/25/23 09:56	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	674		3.96	mg/Kg			08/25/23 09:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15000		250	mg/Kg			08/23/23 11:48	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	5130		250	mg/Kg		08/22/23 09:37	08/22/23 18:49	5
Diesel Range Organics (Over C10-C28)	9430		250	mg/Kg		08/22/23 09:37	08/22/23 18:49	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-5,3

Lab Sample ID: 880-32063-11

Date Collected: 08/14/23 10:53

Matrix: Solid

Date Received: 08/15/23 08:30

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)	468		250	mg/Kg		08/22/23 09:37	08/22/23 18:49	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	191	S1+	70 - 130			08/22/23 09:37	08/22/23 18:49	5
o-Terphenyl (Surr)	104		70 - 130			08/22/23 09:37	08/22/23 18:49	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2550		24.8	mg/Kg			08/18/23 15:22	5

Client Sample ID: S-5,5

Lab Sample ID: 880-32063-12

Date Collected: 08/14/23 10:55

Matrix: Solid

Date Received: 08/15/23 08:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.101	U	0.101	mg/Kg		08/24/23 13:35	08/25/23 10:17	50
Toluene	0.611		0.101	mg/Kg		08/24/23 13:35	08/25/23 10:17	50
Ethylbenzene	1.09		0.101	mg/Kg		08/24/23 13:35	08/25/23 10:17	50
m,p-Xylenes	1.14		0.202	mg/Kg		08/24/23 13:35	08/25/23 10:17	50
o-Xylene	0.601		0.101	mg/Kg		08/24/23 13:35	08/25/23 10:17	50
Xylenes, Total	1.74		0.202	mg/Kg		08/24/23 13:35	08/25/23 10:17	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			08/24/23 13:35	08/25/23 10:17	50
1,4-Difluorobenzene (Surr)	91		70 - 130			08/24/23 13:35	08/25/23 10:17	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.44		0.202	mg/Kg			08/25/23 09:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1010		50.3	mg/Kg			08/23/23 11:48	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	109		50.3	mg/Kg		08/22/23 09:37	08/22/23 19:11	1
Diesel Range Organics (Over C10-C28)	904		50.3	mg/Kg		08/22/23 09:37	08/22/23 19:11	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		08/22/23 09:37	08/22/23 19:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			08/22/23 09:37	08/22/23 19:11	1
o-Terphenyl (Surr)	116		70 - 130			08/22/23 09:37	08/22/23 19:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4250		25.2	mg/Kg			08/18/23 15:43	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-5,6

Lab Sample ID: 880-32063-13

Date Collected: 08/14/23 10:57

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 07:13	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/24/23 13:35	08/25/23 07:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/24/23 13:35	08/25/23 07:13	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/24/23 13:35	08/25/23 07:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/24/23 13:35	08/25/23 07:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/24/23 13:35	08/25/23 07:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	08/24/23 13:35	08/25/23 07:13	1
1,4-Difluorobenzene (Surr)	84		70 - 130	08/24/23 13:35	08/25/23 07:13	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			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	94.3		50.2	mg/Kg			08/23/23 11:48	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	<50.2	U	50.2	mg/Kg		08/22/23 09:37	08/22/23 16:17	1
Diesel Range Organics (Over C10-C28)	94.3		50.2	mg/Kg		08/22/23 09:37	08/22/23 16:17	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/22/23 09:37	08/22/23 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130	08/22/23 09:37	08/22/23 16:17	1
o-Terphenyl (Surr)	123		70 - 130	08/22/23 09:37	08/22/23 16:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3460		25.2	mg/Kg			08/18/23 15:50	5

Client Sample ID: S-3,3

Lab Sample ID: 880-32063-14

Date Collected: 08/14/23 11:28

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 07:33	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/24/23 13:35	08/25/23 07:33	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/24/23 13:35	08/25/23 07:33	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/24/23 13:35	08/25/23 07:33	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/24/23 13:35	08/25/23 07:33	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/24/23 13:35	08/25/23 07:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/24/23 13:35	08/25/23 07:33	1
1,4-Difluorobenzene (Surr)	84		70 - 130	08/24/23 13:35	08/25/23 07:33	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-3,3

Lab Sample ID: 880-32063-14

Date Collected: 08/14/23 11:28

Matrix: Solid

Date Received: 08/15/23 08:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.6		50.4	mg/Kg			08/23/23 11:48	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	<50.4	U	50.4	mg/Kg		08/22/23 09:37	08/22/23 16:39	1
Diesel Range Organics (Over C10-C28)	55.6		50.4	mg/Kg		08/22/23 09:37	08/22/23 16:39	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/22/23 09:37	08/22/23 16:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			08/22/23 09:37	08/22/23 16:39	1
o-Terphenyl (Surr)	114		70 - 130			08/22/23 09:37	08/22/23 16:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2140		25.2	mg/Kg			08/18/23 16:12	5

Client Sample ID: S-3,4

Lab Sample ID: 880-32063-15

Date Collected: 08/14/23 11:29

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 07:54	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 07:54	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 07:54	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/24/23 13:35	08/25/23 07:54	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 07:54	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/24/23 13:35	08/25/23 07:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			08/24/23 13:35	08/25/23 07:54	1
1,4-Difluorobenzene (Surr)	85		70 - 130			08/24/23 13:35	08/25/23 07:54	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			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/23/23 11:48	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	<50.5	U	50.5	mg/Kg		08/22/23 09:37	08/22/23 17:00	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/22/23 09:37	08/22/23 17:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-3,4

Lab Sample ID: 880-32063-15

Date Collected: 08/14/23 11:29

Matrix: Solid

Date Received: 08/15/23 08:30

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)	<50.5	U	50.5	mg/Kg		08/22/23 09:37	08/22/23 17:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			08/22/23 09:37	08/22/23 17:00	1
o-Terphenyl (Surr)	112		70 - 130			08/22/23 09:37	08/22/23 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2270		25.0	mg/Kg			08/18/23 16:19	5

Client Sample ID: S-2,5

Lab Sample ID: 880-32063-16

Date Collected: 08/14/23 12:00

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 08:14	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/24/23 13:35	08/25/23 08:14	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/24/23 13:35	08/25/23 08:14	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/24/23 13:35	08/25/23 08:14	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/24/23 13:35	08/25/23 08:14	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/24/23 13:35	08/25/23 08:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			08/24/23 13:35	08/25/23 08:14	1
1,4-Difluorobenzene (Surr)	94		70 - 130			08/24/23 13:35	08/25/23 08:14	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			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/23/23 11:48	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	<49.6	U	49.6	mg/Kg		08/22/23 09:37	08/22/23 17:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/22/23 09:37	08/22/23 17:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/22/23 09:37	08/22/23 17:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			08/22/23 09:37	08/22/23 17:22	1
o-Terphenyl (Surr)	129		70 - 130			08/22/23 09:37	08/22/23 17:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.3		4.98	mg/Kg			08/18/23 16:26	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-2,10

Lab Sample ID: 880-32063-17

Date Collected: 08/14/23 12:05

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 08:35	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/24/23 13:35	08/25/23 08:35	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/24/23 13:35	08/25/23 08:35	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		08/24/23 13:35	08/25/23 08:35	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/24/23 13:35	08/25/23 08:35	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		08/24/23 13:35	08/25/23 08:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	08/24/23 13:35	08/25/23 08:35	1
1,4-Difluorobenzene (Surr)	93		70 - 130	08/24/23 13:35	08/25/23 08:35	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			08/25/23 09:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			08/23/23 11:48	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		08/22/23 09:37	08/22/23 17:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/22/23 09:37	08/22/23 17:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/22/23 09:37	08/22/23 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	08/22/23 09:37	08/22/23 17:44	1
o-Terphenyl (Surr)	113		70 - 130	08/22/23 09:37	08/22/23 17:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.4		4.99	mg/Kg			08/18/23 16:34	1

Client Sample ID: S-1,5

Lab Sample ID: 880-32063-18

Date Collected: 08/14/23 12:20

Matrix: Solid

Date Received: 08/15/23 08:30

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		08/24/23 13:35	08/25/23 08:55	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 08:55	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 08:55	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		08/24/23 13:35	08/25/23 08:55	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/24/23 13:35	08/25/23 08:55	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/24/23 13:35	08/25/23 08:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	08/24/23 13:35	08/25/23 08:55	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/24/23 13:35	08/25/23 08:55	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-1,5

Lab Sample ID: 880-32063-18

Date Collected: 08/14/23 12:20

Matrix: Solid

Date Received: 08/15/23 08:30

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			08/25/23 09:19	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			08/23/23 11:48	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		08/22/23 09:37	08/22/23 18:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/22/23 09:37	08/22/23 18:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/22/23 09:37	08/22/23 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			08/22/23 09:37	08/22/23 18:05	1
o-Terphenyl (Surr)	123		70 - 130			08/22/23 09:37	08/22/23 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		5.01	mg/Kg			08/18/23 16:41	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

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)						
880-32063-1	S-13, 0-1	74	91						
880-32063-1 MS	S-13, 0-1	96	91						
880-32063-1 MSD	S-13, 0-1	107	117						
880-32063-2	S-12, 0-1	78	100						
880-32063-3	S-14, 0-1	85	98						
880-32063-4	S-15, 0-1	78	103						
880-32063-5	S-4,5	93	99						
880-32063-6	S-4, 10	81	103						
880-32063-7	S-6,3	92	68 S1-						
880-32063-8	S-6,5	86	100						
880-32063-9	S-6,10	84	94						
880-32063-10	S-6,14	92	100						
880-32063-11	S-5,3	97	69 S1-						
880-32063-12	S-5,5	129	91						
880-32063-13	S-5,6	70	84						
880-32063-14	S-3,3	97	84						
880-32063-15	S-3,4	90	85						
880-32063-16	S-2,5	88	94						
880-32063-17	S-2,10	89	93						
880-32063-18	S-1,5	85	101						
LCS 880-61015/1-A	Lab Control Sample	89	96						
LCS 880-61151/1-A	Lab Control Sample	130	117						
LCSD 880-61015/2-A	Lab Control Sample Dup	91	96						
LCSD 880-61151/2-A	Lab Control Sample Dup	126	111						
MB 880-60970/5-A	Method Blank	95	112						
MB 880-61015/5-A	Method Blank	101	119						
MB 880-61051/5-A	Method Blank	74	90						
MB 880-61151/5-A	Method Blank	75	76						
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)				
880-32063-1	S-13, 0-1	103	109				
880-32063-2	S-12, 0-1	104	111				
880-32063-3	S-14, 0-1	107	115				
880-32063-4	S-15, 0-1	106	114				
880-32063-5	S-4,5	130	138 S1+				
880-32063-6	S-4, 10	104	114				
880-32063-7	S-6,3	133 S1+	126				
880-32063-8	S-6,5	120	129				
880-32063-9	S-6,10	125	132 S1+				
880-32063-10	S-6,14	107	117				
880-32063-11	S-5,3	191 S1+	104				

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

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)
880-32063-12	S-5,5	110	116
880-32063-13	S-5,6	116	123
880-32063-14	S-3,3	106	114
880-32063-15	S-3,4	103	112
880-32063-16	S-2,5	121	129
880-32063-17	S-2,10	104	113
880-32063-18	S-1,5	119	123
LCS 880-60785/2-A	Lab Control Sample	100	111
LCSD 880-60785/3-A	Lab Control Sample Dup	111	125
MB 880-60785/1-A	Method Blank	152 S1+	169 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60970/5-A

Matrix: Solid

Analysis Batch: 60963

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60970

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/24/23 09:32	08/24/23 13:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/24/23 09:32	08/24/23 13:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/24/23 09:32	08/24/23 13:28	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/24/23 09:32	08/24/23 13:28	1

Lab Sample ID: MB 880-61015/5-A

Matrix: Solid

Analysis Batch: 60963

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 61015

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/24/23 13:35	08/25/23 01:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/24/23 13:35	08/25/23 01:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/24/23 13:35	08/25/23 01:50	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/24/23 13:35	08/25/23 01:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/24/23 13:35	08/25/23 01:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/24/23 13:35	08/25/23 01:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/24/23 13:35	08/25/23 01:50	1
1,4-Difluorobenzene (Surr)	119		70 - 130	08/24/23 13:35	08/25/23 01:50	1

Lab Sample ID: LCS 880-61015/1-A

Matrix: Solid

Analysis Batch: 60963

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 61015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1050		mg/Kg		105	70 - 130
Toluene	0.100	0.1056		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1016		mg/Kg		102	70 - 130
m,p-Xylenes	0.200	0.2027		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09374		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-61015/2-A

Matrix: Solid

Analysis Batch: 60963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 61015

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08366		mg/Kg		84	70 - 130	23	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

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

Lab Sample ID: LCSD 880-61015/2-A

Matrix: Solid

Analysis Batch: 60963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 61015

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08230		mg/Kg		82	70 - 130	25	35
Ethylbenzene	0.100	0.07421		mg/Kg		74	70 - 130	31	35
m,p-Xylenes	0.200	0.1453		mg/Kg		73	70 - 130	33	35
o-Xylene	0.100	0.07020		mg/Kg		70	70 - 130	29	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-32063-1 MS

Matrix: Solid

Analysis Batch: 60963

Client Sample ID: S-13, 0-1

Prep Type: Total/NA

Prep Batch: 61015

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U F1	0.0996	0.07900		mg/Kg		79	70 - 130
Toluene	0.00303	F1	0.0996	0.07784		mg/Kg		75	70 - 130
Ethylbenzene	<0.00198	U F1 F2	0.0996	0.07456		mg/Kg		74	70 - 130
m,p-Xylenes	<0.00396	U F1 F2	0.199	0.1556		mg/Kg		77	70 - 130
o-Xylene	<0.00198	U F1 F2	0.0996	0.07334		mg/Kg		73	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-32063-1 MSD

Matrix: Solid

Analysis Batch: 60963

Client Sample ID: S-13, 0-1

Prep Type: Total/NA

Prep Batch: 61015

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	0.00303	F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00198	U F1 F2	0.101	<0.00202	U F1 F2	mg/Kg		-0.4	70 - 130	197	35
m,p-Xylenes	<0.00396	U F1 F2	0.202	<0.00403	U F1 F2	mg/Kg		0.6	70 - 130	194	35
o-Xylene	<0.00198	U F1 F2	0.101	<0.00202	U F1 F2	mg/Kg		0.9	70 - 130	192	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: MB 880-61051/5-A

Matrix: Solid

Analysis Batch: 61057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 61051

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/25/23 08:20	08/25/23 12:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/25/23 08:20	08/25/23 12:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/25/23 08:20	08/25/23 12:28	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/25/23 08:20	08/25/23 12:28	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

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

Lab Sample ID: MB 880-61051/5-A

Matrix: Solid

Analysis Batch: 61057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 61051

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/25/23 08:20	08/25/23 12:28	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/25/23 08:20	08/25/23 12:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130			08/25/23 08:20	08/25/23 12:28	1
1,4-Difluorobenzene (Surr)	90		70 - 130			08/25/23 08:20	08/25/23 12:28	1

Lab Sample ID: MB 880-61151/5-A

Matrix: Solid

Analysis Batch: 61057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 61151

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/25/23 15:10	08/25/23 23:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/25/23 15:10	08/25/23 23:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/25/23 15:10	08/25/23 23:26	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/25/23 15:10	08/25/23 23:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/25/23 15:10	08/25/23 23:26	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/25/23 15:10	08/25/23 23:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130			08/25/23 15:10	08/25/23 23:26	1
1,4-Difluorobenzene (Surr)	76		70 - 130			08/25/23 15:10	08/25/23 23:26	1

Lab Sample ID: LCS 880-61151/1-A

Matrix: Solid

Analysis Batch: 61057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 61151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08791		mg/Kg		88	70 - 130
Toluene	0.100	0.1035		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1105		mg/Kg		110	70 - 130
m,p-Xylenes	0.200	0.2469		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1222		mg/Kg		122	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	130		70 - 130				
1,4-Difluorobenzene (Surr)	117		70 - 130				

Lab Sample ID: LCSD 880-61151/2-A

Matrix: Solid

Analysis Batch: 61057

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 61151

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09364		mg/Kg		94	70 - 130	6	35
Toluene	0.100	0.1169		mg/Kg		117	70 - 130	12	35
Ethylbenzene	0.100	0.1215		mg/Kg		121	70 - 130	9	35
m,p-Xylenes	0.200	0.2695	*+	mg/Kg		135	70 - 130	9	35
o-Xylene	0.100	0.1335	*+	mg/Kg		134	70 - 130	9	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-60785/1-A

Matrix: Solid

Analysis Batch: 60778

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60785

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		08/22/23 08:00	08/22/23 08:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/22/23 08:00	08/22/23 08:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/22/23 08:00	08/22/23 08:13	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane (Surr)	152	S1+	70 - 130			08/22/23 08:00	08/22/23 08:13	1
o-Terphenyl (Surr)	169	S1+	70 - 130			08/22/23 08:00	08/22/23 08:13	1

Lab Sample ID: LCS 880-60785/2-A

Matrix: Solid

Analysis Batch: 60778

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60785

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	991.2		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	995.8		mg/Kg		100	70 - 130		
Surrogate	LCS		Limits								
	%Recovery	Qualifier									
1-Chlorooctane (Surr)	100		70 - 130								
o-Terphenyl (Surr)	111		70 - 130								

Lab Sample ID: LCSD 880-60785/3-A

Matrix: Solid

Analysis Batch: 60778

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60785

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10			1000	946.7		mg/Kg		95	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	948.9		mg/Kg		95	70 - 130	5	20
Surrogate	LCSD		Limits								
	%Recovery	Qualifier									
1-Chlorooctane (Surr)	111		70 - 130								
o-Terphenyl (Surr)	125		70 - 130								

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60322/1-A

Matrix: Solid

Analysis Batch: 60580

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/18/23 13:19	1

Lab Sample ID: LCS 880-60322/2-A

Matrix: Solid

Analysis Batch: 60580

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-60322/3-A

Matrix: Solid

Analysis Batch: 60580

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-32063-1 MS

Matrix: Solid

Analysis Batch: 60580

Client Sample ID: S-13, 0-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	45.6		252	302.8		mg/Kg		102	90 - 110

Lab Sample ID: 880-32063-1 MSD

Matrix: Solid

Analysis Batch: 60580

Client Sample ID: S-13, 0-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	45.6		252	303.3		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-32063-11 MS

Matrix: Solid

Analysis Batch: 60580

Client Sample ID: S-5,3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2550		1240	3710		mg/Kg		94	90 - 110

Lab Sample ID: 880-32063-11 MSD

Matrix: Solid

Analysis Batch: 60580

Client Sample ID: S-5,3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2550		1240	3712		mg/Kg		94	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

GC VOA

Analysis Batch: 60963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-1	S-13, 0-1	Total/NA	Solid	8021B	61015
880-32063-2	S-12, 0-1	Total/NA	Solid	8021B	61015
880-32063-3	S-14, 0-1	Total/NA	Solid	8021B	61015
880-32063-4	S-15, 0-1	Total/NA	Solid	8021B	61015
880-32063-5	S-4,5	Total/NA	Solid	8021B	61015
880-32063-6	S-4, 10	Total/NA	Solid	8021B	61015
880-32063-7	S-6,3	Total/NA	Solid	8021B	61015
880-32063-8	S-6,5	Total/NA	Solid	8021B	61015
880-32063-9	S-6,10	Total/NA	Solid	8021B	61015
880-32063-10	S-6,14	Total/NA	Solid	8021B	61015
880-32063-11	S-5,3	Total/NA	Solid	8021B	61015
880-32063-12	S-5,5	Total/NA	Solid	8021B	61015
880-32063-13	S-5,6	Total/NA	Solid	8021B	61015
880-32063-14	S-3,3	Total/NA	Solid	8021B	61015
880-32063-15	S-3,4	Total/NA	Solid	8021B	61015
880-32063-16	S-2,5	Total/NA	Solid	8021B	61015
880-32063-17	S-2,10	Total/NA	Solid	8021B	61015
880-32063-18	S-1,5	Total/NA	Solid	8021B	61015
MB 880-60970/5-A	Method Blank	Total/NA	Solid	8021B	60970
MB 880-61015/5-A	Method Blank	Total/NA	Solid	8021B	61015
LCS 880-61015/1-A	Lab Control Sample	Total/NA	Solid	8021B	61015
LCSD 880-61015/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61015
880-32063-1 MS	S-13, 0-1	Total/NA	Solid	8021B	61015
880-32063-1 MSD	S-13, 0-1	Total/NA	Solid	8021B	61015

Prep Batch: 60970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60970/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 61015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-1	S-13, 0-1	Total/NA	Solid	5035	
880-32063-2	S-12, 0-1	Total/NA	Solid	5035	
880-32063-3	S-14, 0-1	Total/NA	Solid	5035	
880-32063-4	S-15, 0-1	Total/NA	Solid	5035	
880-32063-5	S-4,5	Total/NA	Solid	5035	
880-32063-6	S-4, 10	Total/NA	Solid	5035	
880-32063-7	S-6,3	Total/NA	Solid	5035	
880-32063-8	S-6,5	Total/NA	Solid	5035	
880-32063-9	S-6,10	Total/NA	Solid	5035	
880-32063-10	S-6,14	Total/NA	Solid	5035	
880-32063-11	S-5,3	Total/NA	Solid	5035	
880-32063-12	S-5,5	Total/NA	Solid	5035	
880-32063-13	S-5,6	Total/NA	Solid	5035	
880-32063-14	S-3,3	Total/NA	Solid	5035	
880-32063-15	S-3,4	Total/NA	Solid	5035	
880-32063-16	S-2,5	Total/NA	Solid	5035	
880-32063-17	S-2,10	Total/NA	Solid	5035	
880-32063-18	S-1,5	Total/NA	Solid	5035	
MB 880-61015/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61015/1-A	Lab Control Sample	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

GC VOA (Continued)

Prep Batch: 61015 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-61015/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32063-1 MS	S-13, 0-1	Total/NA	Solid	5035	
880-32063-1 MSD	S-13, 0-1	Total/NA	Solid	5035	

Prep Batch: 61051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-61051/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 61057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-7	S-6,3	Total/NA	Solid	8021B	61151
880-32063-11	S-5,3	Total/NA	Solid	8021B	61151
MB 880-61051/5-A	Method Blank	Total/NA	Solid	8021B	61051
MB 880-61151/5-A	Method Blank	Total/NA	Solid	8021B	61151
LCS 880-61151/1-A	Lab Control Sample	Total/NA	Solid	8021B	61151
LCSD 880-61151/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61151

Analysis Batch: 61086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-1	S-13, 0-1	Total/NA	Solid	Total BTEX	
880-32063-2	S-12, 0-1	Total/NA	Solid	Total BTEX	
880-32063-3	S-14, 0-1	Total/NA	Solid	Total BTEX	
880-32063-4	S-15, 0-1	Total/NA	Solid	Total BTEX	
880-32063-5	S-4,5	Total/NA	Solid	Total BTEX	
880-32063-6	S-4, 10	Total/NA	Solid	Total BTEX	
880-32063-7	S-6,3	Total/NA	Solid	Total BTEX	
880-32063-8	S-6,5	Total/NA	Solid	Total BTEX	
880-32063-9	S-6,10	Total/NA	Solid	Total BTEX	
880-32063-10	S-6,14	Total/NA	Solid	Total BTEX	
880-32063-11	S-5,3	Total/NA	Solid	Total BTEX	
880-32063-12	S-5,5	Total/NA	Solid	Total BTEX	
880-32063-13	S-5,6	Total/NA	Solid	Total BTEX	
880-32063-14	S-3,3	Total/NA	Solid	Total BTEX	
880-32063-15	S-3,4	Total/NA	Solid	Total BTEX	
880-32063-16	S-2,5	Total/NA	Solid	Total BTEX	
880-32063-17	S-2,10	Total/NA	Solid	Total BTEX	
880-32063-18	S-1,5	Total/NA	Solid	Total BTEX	

Prep Batch: 61151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-7	S-6,3	Total/NA	Solid	5035	
880-32063-11	S-5,3	Total/NA	Solid	5035	
MB 880-61151/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61151/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61151/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 60778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-1	S-13, 0-1	Total/NA	Solid	8015B NM	60785

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

GC Semi VOA (Continued)

Analysis Batch: 60778 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-2	S-12, 0-1	Total/NA	Solid	8015B NM	60785
880-32063-3	S-14, 0-1	Total/NA	Solid	8015B NM	60785
880-32063-4	S-15, 0-1	Total/NA	Solid	8015B NM	60785
880-32063-5	S-4,5	Total/NA	Solid	8015B NM	60785
880-32063-6	S-4, 10	Total/NA	Solid	8015B NM	60785
880-32063-7	S-6,3	Total/NA	Solid	8015B NM	60785
880-32063-8	S-6,5	Total/NA	Solid	8015B NM	60785
880-32063-9	S-6,10	Total/NA	Solid	8015B NM	60785
880-32063-10	S-6,14	Total/NA	Solid	8015B NM	60785
880-32063-11	S-5,3	Total/NA	Solid	8015B NM	60785
880-32063-12	S-5,5	Total/NA	Solid	8015B NM	60785
880-32063-13	S-5,6	Total/NA	Solid	8015B NM	60785
880-32063-14	S-3,3	Total/NA	Solid	8015B NM	60785
880-32063-15	S-3,4	Total/NA	Solid	8015B NM	60785
880-32063-16	S-2,5	Total/NA	Solid	8015B NM	60785
880-32063-17	S-2,10	Total/NA	Solid	8015B NM	60785
880-32063-18	S-1,5	Total/NA	Solid	8015B NM	60785
MB 880-60785/1-A	Method Blank	Total/NA	Solid	8015B NM	60785
LCS 880-60785/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60785
LCSD 880-60785/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60785

Prep Batch: 60785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-1	S-13, 0-1	Total/NA	Solid	8015NM Prep	
880-32063-2	S-12, 0-1	Total/NA	Solid	8015NM Prep	
880-32063-3	S-14, 0-1	Total/NA	Solid	8015NM Prep	
880-32063-4	S-15, 0-1	Total/NA	Solid	8015NM Prep	
880-32063-5	S-4,5	Total/NA	Solid	8015NM Prep	
880-32063-6	S-4, 10	Total/NA	Solid	8015NM Prep	
880-32063-7	S-6,3	Total/NA	Solid	8015NM Prep	
880-32063-8	S-6,5	Total/NA	Solid	8015NM Prep	
880-32063-9	S-6,10	Total/NA	Solid	8015NM Prep	
880-32063-10	S-6,14	Total/NA	Solid	8015NM Prep	
880-32063-11	S-5,3	Total/NA	Solid	8015NM Prep	
880-32063-12	S-5,5	Total/NA	Solid	8015NM Prep	
880-32063-13	S-5,6	Total/NA	Solid	8015NM Prep	
880-32063-14	S-3,3	Total/NA	Solid	8015NM Prep	
880-32063-15	S-3,4	Total/NA	Solid	8015NM Prep	
880-32063-16	S-2,5	Total/NA	Solid	8015NM Prep	
880-32063-17	S-2,10	Total/NA	Solid	8015NM Prep	
880-32063-18	S-1,5	Total/NA	Solid	8015NM Prep	
MB 880-60785/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60785/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60785/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-1	S-13, 0-1	Total/NA	Solid	8015 NM	
880-32063-2	S-12, 0-1	Total/NA	Solid	8015 NM	
880-32063-3	S-14, 0-1	Total/NA	Solid	8015 NM	
880-32063-4	S-15, 0-1	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

GC Semi VOA (Continued)

Analysis Batch: 60904 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-5	S-4,5	Total/NA	Solid	8015 NM	
880-32063-6	S-4, 10	Total/NA	Solid	8015 NM	
880-32063-7	S-6,3	Total/NA	Solid	8015 NM	
880-32063-8	S-6,5	Total/NA	Solid	8015 NM	
880-32063-9	S-6,10	Total/NA	Solid	8015 NM	
880-32063-10	S-6,14	Total/NA	Solid	8015 NM	
880-32063-11	S-5,3	Total/NA	Solid	8015 NM	
880-32063-12	S-5,5	Total/NA	Solid	8015 NM	
880-32063-13	S-5,6	Total/NA	Solid	8015 NM	
880-32063-14	S-3,3	Total/NA	Solid	8015 NM	
880-32063-15	S-3,4	Total/NA	Solid	8015 NM	
880-32063-16	S-2,5	Total/NA	Solid	8015 NM	
880-32063-17	S-2,10	Total/NA	Solid	8015 NM	
880-32063-18	S-1,5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 60322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-1	S-13, 0-1	Soluble	Solid	DI Leach	
880-32063-2	S-12, 0-1	Soluble	Solid	DI Leach	
880-32063-3	S-14, 0-1	Soluble	Solid	DI Leach	
880-32063-4	S-15, 0-1	Soluble	Solid	DI Leach	
880-32063-5	S-4,5	Soluble	Solid	DI Leach	
880-32063-6	S-4, 10	Soluble	Solid	DI Leach	
880-32063-7	S-6,3	Soluble	Solid	DI Leach	
880-32063-8	S-6,5	Soluble	Solid	DI Leach	
880-32063-9	S-6,10	Soluble	Solid	DI Leach	
880-32063-10	S-6,14	Soluble	Solid	DI Leach	
880-32063-11	S-5,3	Soluble	Solid	DI Leach	
880-32063-12	S-5,5	Soluble	Solid	DI Leach	
880-32063-13	S-5,6	Soluble	Solid	DI Leach	
880-32063-14	S-3,3	Soluble	Solid	DI Leach	
880-32063-15	S-3,4	Soluble	Solid	DI Leach	
880-32063-16	S-2,5	Soluble	Solid	DI Leach	
880-32063-17	S-2,10	Soluble	Solid	DI Leach	
880-32063-18	S-1,5	Soluble	Solid	DI Leach	
MB 880-60322/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60322/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60322/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32063-1 MS	S-13, 0-1	Soluble	Solid	DI Leach	
880-32063-1 MSD	S-13, 0-1	Soluble	Solid	DI Leach	
880-32063-11 MS	S-5,3	Soluble	Solid	DI Leach	
880-32063-11 MSD	S-5,3	Soluble	Solid	DI Leach	

Analysis Batch: 60580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-1	S-13, 0-1	Soluble	Solid	300.0	60322
880-32063-2	S-12, 0-1	Soluble	Solid	300.0	60322
880-32063-3	S-14, 0-1	Soluble	Solid	300.0	60322
880-32063-4	S-15, 0-1	Soluble	Solid	300.0	60322

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

HPLC/IC (Continued)

Analysis Batch: 60580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32063-5	S-4,5	Soluble	Solid	300.0	60322
880-32063-6	S-4, 10	Soluble	Solid	300.0	60322
880-32063-7	S-6,3	Soluble	Solid	300.0	60322
880-32063-8	S-6,5	Soluble	Solid	300.0	60322
880-32063-9	S-6,10	Soluble	Solid	300.0	60322
880-32063-10	S-6,14	Soluble	Solid	300.0	60322
880-32063-11	S-5,3	Soluble	Solid	300.0	60322
880-32063-12	S-5,5	Soluble	Solid	300.0	60322
880-32063-13	S-5,6	Soluble	Solid	300.0	60322
880-32063-14	S-3,3	Soluble	Solid	300.0	60322
880-32063-15	S-3,4	Soluble	Solid	300.0	60322
880-32063-16	S-2,5	Soluble	Solid	300.0	60322
880-32063-17	S-2,10	Soluble	Solid	300.0	60322
880-32063-18	S-1,5	Soluble	Solid	300.0	60322
MB 880-60322/1-A	Method Blank	Soluble	Solid	300.0	60322
LCS 880-60322/2-A	Lab Control Sample	Soluble	Solid	300.0	60322
LCSD 880-60322/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60322
880-32063-1 MS	S-13, 0-1	Soluble	Solid	300.0	60322
880-32063-1 MSD	S-13, 0-1	Soluble	Solid	300.0	60322
880-32063-11 MS	S-5,3	Soluble	Solid	300.0	60322
880-32063-11 MSD	S-5,3	Soluble	Solid	300.0	60322

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-13, 0-1

Lab Sample ID: 880-32063-1

Date Collected: 08/14/23 09:05

Matrix: Solid

Date Received: 08/15/23 08:30

Prep 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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 02:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 12:38	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 13:41	CH	EET MID

Client Sample ID: S-12, 0-1

Lab Sample ID: 880-32063-2

Date Collected: 08/14/23 09:21

Matrix: Solid

Date Received: 08/15/23 08:30

Prep 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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 02:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 13:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 14:03	CH	EET MID

Client Sample ID: S-14, 0-1

Lab Sample ID: 880-32063-3

Date Collected: 08/14/23 09:26

Matrix: Solid

Date Received: 08/15/23 08:30

Prep 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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 03:00	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 13:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 14:10	CH	EET MID

Client Sample ID: S-15, 0-1

Lab Sample ID: 880-32063-4

Date Collected: 08/14/23 09:31

Matrix: Solid

Date Received: 08/15/23 08:30

Prep 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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 03:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-15, 0-1

Lab Sample ID: 880-32063-4

Date Collected: 08/14/23 09:31

Matrix: Solid

Date Received: 08/15/23 08:30

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			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 13:44	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 14:17	CH	EET MID

Client Sample ID: S-4,5

Lab Sample ID: 880-32063-5

Date Collected: 08/14/23 09:36

Matrix: Solid

Date Received: 08/15/23 08:30

Prep 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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 03:41	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 14:06	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 14:24	CH	EET MID

Client Sample ID: S-4, 10

Lab Sample ID: 880-32063-6

Date Collected: 08/14/23 09:41

Matrix: Solid

Date Received: 08/15/23 08:30

Prep 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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 04:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 14:29	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 14:46	CH	EET MID

Client Sample ID: S-6,3

Lab Sample ID: 880-32063-7

Date Collected: 08/14/23 09:43

Matrix: Solid

Date Received: 08/15/23 08:30

Prep 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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	60963	08/25/23 05:23	AJ	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	61151	08/25/23 15:10	EL	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	61057	08/26/23 06:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-6,3
Date Collected: 08/14/23 09:43
Date Received: 08/15/23 08:30

Lab Sample ID: 880-32063-7
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	8015NM Prep			10.06 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 18:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	60580	08/18/23 14:53	CH	EET MID

Client Sample ID: S-6,5
Date Collected: 08/14/23 09:45
Date Received: 08/15/23 08:30

Lab Sample ID: 880-32063-8
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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 04:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 14:50	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	60580	08/18/23 15:00	CH	EET MID

Client Sample ID: S-6,10
Date Collected: 08/14/23 09:47
Date Received: 08/15/23 08:30

Lab Sample ID: 880-32063-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 04:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 15:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 15:07	CH	EET MID

Client Sample ID: S-6,14
Date Collected: 08/14/23 09:51
Date Received: 08/15/23 08:30

Lab Sample ID: 880-32063-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 05:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 15:55	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-6,14**Lab Sample ID: 880-32063-10****Date Collected: 08/14/23 09:51****Matrix: Solid****Date Received: 08/15/23 08:30**

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	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 15:15	CH	EET MID

Client Sample ID: S-5,3**Lab Sample ID: 880-32063-11****Date Collected: 08/14/23 10:53****Matrix: Solid****Date Received: 08/15/23 08:30**

Prep 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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	60963	08/25/23 09:56	AJ	EET MID
Total/NA	Prep	5035			5.05 g	5 mL	61151	08/25/23 15:10	EL	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	61057	08/26/23 07:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	60778	08/22/23 18:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60580	08/18/23 15:22	CH	EET MID

Client Sample ID: S-5,5**Lab Sample ID: 880-32063-12****Date Collected: 08/14/23 10:55****Matrix: Solid****Date Received: 08/15/23 08:30**

Prep 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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	60963	08/25/23 10:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 19:11	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60580	08/18/23 15:43	CH	EET MID

Client Sample ID: S-5,6**Lab Sample ID: 880-32063-13****Date Collected: 08/14/23 10:57****Matrix: Solid****Date Received: 08/15/23 08:30**

Prep 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	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 07:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 16:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-5,6
Date Collected: 08/14/23 10:57
Date Received: 08/15/23 08:30

Lab Sample ID: 880-32063-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60580	08/18/23 15:50	CH	EET MID

Client Sample ID: S-3,3
Date Collected: 08/14/23 11:28
Date Received: 08/15/23 08:30

Lab Sample ID: 880-32063-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 07:33	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 16:39	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60580	08/18/23 16:12	CH	EET MID

Client Sample ID: S-3,4
Date Collected: 08/14/23 11:29
Date Received: 08/15/23 08:30

Lab Sample ID: 880-32063-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 07:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 17:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60580	08/18/23 16:19	CH	EET MID

Client Sample ID: S-2,5
Date Collected: 08/14/23 12:00
Date Received: 08/15/23 08:30

Lab Sample ID: 880-32063-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 08:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 17:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 16:26	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Client Sample ID: S-2,10
Date Collected: 08/14/23 12:05
Date Received: 08/15/23 08:30

Lab Sample ID: 880-32063-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 08:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 17:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 16:34	CH	EET MID

Client Sample ID: S-1,5
Date Collected: 08/14/23 12:20
Date Received: 08/15/23 08:30

Lab Sample ID: 880-32063-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	61015	08/24/23 13:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/25/23 08:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61086	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			60904	08/23/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	60785	08/22/23 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60778	08/22/23 18:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60322	08/15/23 16:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60580	08/18/23 16:41	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: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

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	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

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: Eidson 23 #1

Job ID: 880-32063-1
SDG: 23-0111-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32063-1	S-13, 0-1	Solid	08/14/23 09:05	08/15/23 08:30
880-32063-2	S-12, 0-1	Solid	08/14/23 09:21	08/15/23 08:30
880-32063-3	S-14, 0-1	Solid	08/14/23 09:26	08/15/23 08:30
880-32063-4	S-15, 0-1	Solid	08/14/23 09:31	08/15/23 08:30
880-32063-5	S-4,5	Solid	08/14/23 09:36	08/15/23 08:30
880-32063-6	S-4, 10	Solid	08/14/23 09:41	08/15/23 08:30
880-32063-7	S-6,3	Solid	08/14/23 09:43	08/15/23 08:30
880-32063-8	S-6,5	Solid	08/14/23 09:45	08/15/23 08:30
880-32063-9	S-6,10	Solid	08/14/23 09:47	08/15/23 08:30
880-32063-10	S-6,14	Solid	08/14/23 09:51	08/15/23 08:30
880-32063-11	S-5,3	Solid	08/14/23 10:53	08/15/23 08:30
880-32063-12	S-5,5	Solid	08/14/23 10:55	08/15/23 08:30
880-32063-13	S-5,6	Solid	08/14/23 10:57	08/15/23 08:30
880-32063-14	S-3,3	Solid	08/14/23 11:28	08/15/23 08:30
880-32063-15	S-3,4	Solid	08/14/23 11:29	08/15/23 08:30
880-32063-16	S-2,5	Solid	08/14/23 12:00	08/15/23 08:30
880-32063-17	S-2,10	Solid	08/14/23 12:05	08/15/23 08:30
880-32063-18	S-1,5	Solid	08/14/23 12:20	08/15/23 08:30

No. 3108
32043 CHAIN-OF-CUSTODY

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

32043

NO. 3109

CHAIN-OF-CUSTODY

No. 3109

8/28/2023

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-32063-1

SDG Number: 23-0111-01

Login Number: 32063

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: Edison 23 #1
Project Number: 23-0111-01
Location: New Mexico
Lab Order Number: 4C20018



Current Certification

Report Date: 04/01/24

Larson & Associates, Inc.	Project: Edison 23 #1
P.O. Box 50685	Project Number: 23-0111-01
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-3 @ 5'	4C20018-01	Soil	03/19/24 11:05	03-20-2024 10:53
S-3 @ 10'	4C20018-02	Soil	03/19/24 11:10	03-20-2024 10:53
S-3 @ 15'	4C20018-03	Soil	03/19/24 11:15	03-20-2024 10:53
S-3 @ 20'	4C20018-04	Soil	03/19/24 11:20	03-20-2024 10:53
S-3 @ 25'	4C20018-05	Soil	03/19/24 11:25	03-20-2024 10:53
S-3 @ 30'	4C20018-06	Soil	03/19/24 11:30	03-20-2024 10:53
S-3 @ 35'	4C20018-07	Soil	03/19/24 11:35	03-20-2024 10:53
S-5 @ 5'	4C20018-08	Soil	03/19/24 11:40	03-20-2024 10:53
S-5 @ 10'	4C20018-09	Soil	03/19/24 11:45	03-20-2024 10:53
S-5 @ 15'	4C20018-10	Soil	03/19/24 11:50	03-20-2024 10:53
S-5 @ 20'	4C20018-11	Soil	03/19/24 11:55	03-20-2024 10:53
S-5 @ 25'	4C20018-12	Soil	03/19/24 12:00	03-20-2024 10:53

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

Project: Edison 23 #1
Project Number: 23-0111-01
Project Manager: Mark Larson

S-3 @ 5'
4C20018-01 (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	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 05:50	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 05:50	EPA 8021B	
Ethylbenzene	0.00882	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 05:50	EPA 8021B	
Xylene (p/m)	0.0266	0.00208	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 05:50	EPA 8021B	
Xylene (o)	0.0198	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 05:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P4C2205	03/22/24 13:31	03/23/24 05:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.8 %		80-120		P4C2205	03/22/24 13:31	03/23/24 05:50	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	90.4	26.0	mg/kg dry	1	P4C2019	03/20/24 16:27	03/21/24 14:29	TPH 8015M	
>C12-C28	522	26.0	mg/kg dry	1	P4C2019	03/20/24 16:27	03/21/24 14:29	TPH 8015M	
>C28-C35	58.8	26.0	mg/kg dry	1	P4C2019	03/20/24 16:27	03/21/24 14:29	TPH 8015M	
Surrogate: 1-Chlorooctane	112 %		70-130		P4C2019	03/20/24 16:27	03/21/24 14:29	TPH 8015M	
Surrogate: o-Terphenyl	107 %		70-130		P4C2019	03/20/24 16:27	03/21/24 14:29	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	671	26.0	mg/kg dry	1	[CALC]	03/20/24 16:27	03/21/24 14:29	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	288	1.04	mg/kg dry	1	P4C2212	03/22/24 17:56	03/26/24 08:17	EPA 300.0	
% Moisture	4.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	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: Edison 23 #1
Project Number: 23-0111-01
Project Manager: Mark Larson

S-3 @ 10'
4C20018-02 (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	P4C2205	03/22/24 13:31	03/23/24 06:12	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:12	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:12	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:12	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	92.3 %		80-120		P4C2205	03/22/24 13:31	03/23/24 06:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.9 %		80-120		P4C2205	03/22/24 13:31	03/23/24 06:12	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	30.7	26.6	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 21:53	TPH 8015M	
>C12-C28	28.8	26.6	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 21:53	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 21:53	TPH 8015M	
Surrogate: 1-Chlorooctane	94.4 %		70-130		P4C2114	03/21/24 14:35	03/21/24 21:53	TPH 8015M	
Surrogate: o-Terphenyl	91.5 %		70-130		P4C2114	03/21/24 14:35	03/21/24 21:53	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	59.5	26.6	mg/kg dry	1	[CALC]	03/21/24 14:35	03/21/24 21:53	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	150	1.06	mg/kg dry	1	P4C2212	03/22/24 17:56	03/26/24 08:32	EPA 300.0	
% Moisture	6.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

Larson & Associates, Inc.	Project: Edison 23 #1
P.O. Box 50685	Project Number: 23-0111-01
Midland TX, 79710	Project Manager: Mark Larson

S-3 @ 15'
4C20018-03 (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	0.00103	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:34	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:34	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:34	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:34	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	91.4 %		80-120		P4C2205	03/22/24 13:31	03/23/24 06:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.8 %		80-120		P4C2205	03/22/24 13:31	03/23/24 06:34	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	39.7	25.8	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 23:00	TPH 8015M	
>C12-C28	251	25.8	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 23:00	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 23:00	TPH 8015M	
Surrogate: 1-Chlorooctane	98.9 %		70-130		P4C2114	03/21/24 14:35	03/21/24 23:00	TPH 8015M	
Surrogate: o-Terphenyl	95.2 %		70-130		P4C2114	03/21/24 14:35	03/21/24 23:00	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	291	25.8	mg/kg dry	1	[CALC]	03/21/24 14:35	03/21/24 23:00	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	226	1.03	mg/kg dry	1	P4C2212	03/22/24 17:56	03/26/24 08:47	EPA 300.0	
% Moisture	3.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	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.	Project: Edison 23 #1
P.O. Box 50685	Project Number: 23-0111-01
Midland TX, 79710	Project Manager: Mark Larson

S-3 @ 20'
4C20018-04 (Soil)

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

BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:57	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:57	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:57	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:57	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 06:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P4C2205	03/22/24 13:31	03/23/24 06:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.9 %		80-120		P4C2205	03/22/24 13:31	03/23/24 06:57	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	29.6	26.9	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 23:22	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 23:22	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 23:22	TPH 8015M	
Surrogate: 1-Chlorooctane	108 %		70-130		P4C2114	03/21/24 14:35	03/21/24 23:22	TPH 8015M	
Surrogate: o-Terphenyl	103 %		70-130		P4C2114	03/21/24 14:35	03/21/24 23:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	29.6	26.9	mg/kg dry	1	[CALC]	03/21/24 14:35	03/21/24 23:22	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	198	1.08	mg/kg dry	1	P4C2212	03/22/24 17:56	03/26/24 09:03	EPA 300.0	
% Moisture	7.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	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: Edison 23 #1
Project Number: 23-0111-01
Project Manager: Mark Larson

S-3 @ 25'
4C20018-05 (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	P4C2205	03/22/24 13:31	03/23/24 07:19	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 07:19	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 07:19	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 07:19	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 07:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.8 %		80-120		P4C2205	03/22/24 13:31	03/23/24 07:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	91.4 %		80-120		P4C2205	03/22/24 13:31	03/23/24 07:19	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	29.8	26.6	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 23:45	TPH 8015M	
>C12-C28	251	26.6	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 23:45	TPH 8015M	
>C28-C35	47.7	26.6	mg/kg dry	1	P4C2114	03/21/24 14:35	03/21/24 23:45	TPH 8015M	
Surrogate: 1-Chlorooctane	92.2 %		70-130		P4C2114	03/21/24 14:35	03/21/24 23:45	TPH 8015M	
Surrogate: o-Terphenyl	90.3 %		70-130		P4C2114	03/21/24 14:35	03/21/24 23:45	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	329	26.6	mg/kg dry	1	[CALC]	03/21/24 14:35	03/21/24 23:45	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	180	1.06	mg/kg dry	1	P4C2212	03/22/24 17:56	03/26/24 09:18	EPA 300.0	
% Moisture	6.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	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: Edison 23 #1
Project Number: 23-0111-01
Project Manager: Mark Larson

S-3 @ 30'
4C20018-06 (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	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 07:41	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 07:41	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 07:41	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 07:41	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 07:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	91.4 %		80-120		P4C2205	03/22/24 13:31	03/23/24 07:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.5 %		80-120		P4C2205	03/22/24 13:31	03/23/24 07:41	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 00:07	TPH 8015M	
>C12-C28	46.8	26.0	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 00:07	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 00:07	TPH 8015M	
Surrogate: 1-Chlorooctane	96.3 %		70-130		P4C2114	03/21/24 14:35	03/22/24 00:07	TPH 8015M	
Surrogate: o-Terphenyl	92.7 %		70-130		P4C2114	03/21/24 14:35	03/22/24 00:07	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	46.8	26.0	mg/kg dry	1	[CALC]	03/21/24 14:35	03/22/24 00:07	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	48.4	1.04	mg/kg dry	1	P4C2611	03/26/24 14:29	03/26/24 18:38	EPA 300.0	
% Moisture	4.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	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: Edison 23 #1
Project Number: 23-0111-01
Project Manager: Mark Larson

S-3 @ 35'
4C20018-07 (Soil)

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

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 08:04	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 08:04	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 08:04	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 08:04	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 08:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.1 %		80-120		P4C2205	03/22/24 13:31	03/23/24 08:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P4C2205	03/22/24 13:31	03/23/24 08:04	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	32.2	26.0	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 00:30	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 00:30	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 00:30	TPH 8015M	
Surrogate: 1-Chlorooctane	95.5 %		70-130		P4C2114	03/21/24 14:35	03/22/24 00:30	TPH 8015M	
Surrogate: o-Terphenyl	92.9 %		70-130		P4C2114	03/21/24 14:35	03/22/24 00:30	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	32.2	26.0	mg/kg dry	1	[CALC]	03/21/24 14:35	03/22/24 00:30	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.04	mg/kg dry	1	P4C2611	03/26/24 14:29	03/26/24 16:05	EPA 300.0	
% Moisture	4.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	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.	Project: Edison 23 #1
P.O. Box 50685	Project Number: 23-0111-01
Midland TX, 79710	Project Manager: Mark Larson

S-5 @ 5'
4C20018-08 (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	0.00106	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:11	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:11	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:11	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:11	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	92.2 %		80-120		P4C2205	03/22/24 13:31	03/23/24 09:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.7 %		80-120		P4C2205	03/22/24 13:31	03/23/24 09:11	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	26.8	26.6	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 00:52	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 00:52	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 00:52	TPH 8015M	
Surrogate: 1-Chlorooctane	88.0 %		70-130		P4C2114	03/21/24 14:35	03/22/24 00:52	TPH 8015M	
Surrogate: o-Terphenyl	86.9 %		70-130		P4C2114	03/21/24 14:35	03/22/24 00:52	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	26.8	26.6	mg/kg dry	1	[CALC]	03/21/24 14:35	03/22/24 00:52	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	1800	1.06	mg/kg dry	1	P4C2611	03/26/24 14:29	03/26/24 16:51	EPA 300.0	
% Moisture	6.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	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: Edison 23 #1
Project Number: 23-0111-01
Project Manager: Mark Larson

S-5 @ 10'
4C20018-09 (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	0.00105	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:33	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:33	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:33	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:33	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	92.3 %		80-120		P4C2205	03/22/24 13:31	03/23/24 09:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.9 %		80-120		P4C2205	03/22/24 13:31	03/23/24 09:33	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	30.0	26.3	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 01:14	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 01:14	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 01:14	TPH 8015M	
Surrogate: 1-Chlorooctane	98.1 %		70-130		P4C2114	03/21/24 14:35	03/22/24 01:14	TPH 8015M	
Surrogate: o-Terphenyl	96.0 %		70-130		P4C2114	03/21/24 14:35	03/22/24 01:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	30.0	26.3	mg/kg dry	1	[CALC]	03/21/24 14:35	03/22/24 01:14	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	434	1.05	mg/kg dry	1	P4C2611	03/26/24 14:29	03/26/24 17:06	EPA 300.0	
% Moisture	5.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

Larson & Associates, Inc.	Project: Edison 23 #1
P.O. Box 50685	Project Number: 23-0111-01
Midland TX, 79710	Project Manager: Mark Larson

S-5 @ 15'
4C20018-10 (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	P4C2205	03/22/24 13:31	03/23/24 09:56	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:56	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:56	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:56	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 09:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.0 %		80-120		P4C2205	03/22/24 13:31	03/23/24 09:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P4C2205	03/22/24 13:31	03/23/24 09:56	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	50.4	27.5	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 01:37	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 01:37	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 01:37	TPH 8015M	
Surrogate: 1-Chlorooctane	97.0 %		70-130		P4C2114	03/21/24 14:35	03/22/24 01:37	TPH 8015M	
Surrogate: o-Terphenyl	94.9 %		70-130		P4C2114	03/21/24 14:35	03/22/24 01:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	50.4	27.5	mg/kg dry	1	[CALC]	03/21/24 14:35	03/22/24 01:37	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	417	1.10	mg/kg dry	1	P4C2611	03/26/24 14:29	03/26/24 17:22	EPA 300.0	
% Moisture	9.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	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: Edison 23 #1
Project Number: 23-0111-01
Project Manager: Mark Larson

S-5 @ 20'
4C20018-11 (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	P4C2205	03/22/24 13:31	03/23/24 10:18	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 10:18	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 10:18	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 10:18	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 10:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P4C2205	03/22/24 13:31	03/23/24 10:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.6 %		80-120		P4C2205	03/22/24 13:31	03/23/24 10:18	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	31.3	28.4	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 01:59	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 01:59	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 01:59	TPH 8015M	
Surrogate: 1-Chlorooctane	95.8 %		70-130		P4C2114	03/21/24 14:35	03/22/24 01:59	TPH 8015M	
Surrogate: o-Terphenyl	95.2 %		70-130		P4C2114	03/21/24 14:35	03/22/24 01:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	31.3	28.4	mg/kg dry	1	[CALC]	03/21/24 14:35	03/22/24 01:59	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	301	1.14	mg/kg dry	1	P4C2611	03/26/24 14:29	03/26/24 17:37	EPA 300.0	
% Moisture	12.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

Larson & Associates, Inc.	Project: Edison 23 #1
P.O. Box 50685	Project Number: 23-0111-01
Midland TX, 79710	Project Manager: Mark Larson

S-5 @ 25'
4C20018-12 (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	0.00109	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 10:40	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 10:40	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 10:40	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 10:40	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P4C2205	03/22/24 13:31	03/23/24 10:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	92.6 %		80-120		P4C2205	03/22/24 13:31	03/23/24 10:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P4C2205	03/22/24 13:31	03/23/24 10:40	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	29.8	27.2	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 02:21	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 02:21	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P4C2114	03/21/24 14:35	03/22/24 02:21	TPH 8015M	
Surrogate: 1-Chlorooctane	102 %		70-130		P4C2114	03/21/24 14:35	03/22/24 02:21	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P4C2114	03/21/24 14:35	03/22/24 02:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	29.8	27.2	mg/kg dry	1	[CALC]	03/21/24 14:35	03/22/24 02:21	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	265	1.09	mg/kg dry	1	P4C2611	03/26/24 14:29	03/26/24 17:52	EPA 300.0	
% Moisture	8.0	0.1	%	1	P4C2110	03/21/24 13:44	03/21/24 13:53	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: Edison 23 #1
Project Number: 23-0111-01
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 P4C2205 - * DEFAULT PREP *****

Blank (P4C2205-BLK1)

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

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	0.112		"	0.120		93.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	80-120			

LCS (P4C2205-BS1)

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

Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.0964	0.00100	"	0.100		96.4	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0944	0.00100	"	0.100		94.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	80-120			

LCS Dup (P4C2205-BS1)

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

Benzene	0.102	0.00100	mg/kg	0.100		102	80-120	2.32	20	
Toluene	0.0940	0.00100	"	0.100		94.0	80-120	2.55	20	
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120	2.68	20	
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120	2.12	20	
Xylene (o)	0.0918	0.00100	"	0.100		91.8	80-120	2.79	20	
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.1	80-120			

Calibration Blank (P4C2205-CCB1)

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

Benzene	0.290		ug/kg							
Toluene	0.420		"							
Ethylbenzene	0.270		"							
Xylene (p/m)	0.340		"							
Xylene (o)	0.270		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.7	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: Edison 23 #1
Project Number: 23-0111-01
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 P4C2205 - * DEFAULT PREP *****

Calibration Blank (P4C2205-CCB2)

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

Benzene	0.280		ug/kg							
Toluene	0.370		"							
Ethylbenzene	0.230		"							
Xylene (p/m)	0.280		"							
Xylene (o)	0.100		"							
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.7	80-120			

Calibration Check (P4C2205-CCV1)

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

Benzene	0.110	0.00100	mg/kg	0.100		110	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200		113	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	75-125			

Calibration Check (P4C2205-CCV2)

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

Benzene	0.107	0.00100	mg/kg	0.100		107	80-120			
Toluene	0.0990	0.00100	"	0.100		99.0	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0975	0.00100	"	0.100		97.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.4	75-125			

Calibration Check (P4C2205-CCV3)

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

Benzene	0.110	0.00100	mg/kg	0.100		110	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	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: Edison 23 #1
Project Number: 23-0111-01
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 P4C2205 - * DEFAULT PREP *****

Matrix Spike (P4C2205-MS1)		Source: 4C18006-70		Prepared: 03/22/24		Analyzed: 03/23/24				
Benzene	0.0649	0.00110	mg/kg dry	0.110	ND	59.0	80-120			QM-05
Toluene	0.0507	0.00110	"	0.110	ND	46.1	80-120			QM-05
Ethylbenzene	0.0510	0.00110	"	0.110	ND	46.4	80-120			QM-05
Xylene (p/m)	0.109	0.00220	"	0.220	ND	49.4	80-120			QM-05
Xylene (o)	0.0500	0.00110	"	0.110	ND	45.5	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.128		"	0.132		96.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.132		97.3	80-120			

Matrix Spike Dup (P4C2205-MSD1)		Source: 4C18006-70		Prepared: 03/22/24		Analyzed: 03/23/24				
Benzene	0.0732	0.00110	mg/kg dry	0.110	ND	66.6	80-120	12.0	20	QM-05
Toluene	0.0554	0.00110	"	0.110	ND	50.4	80-120	8.99	20	QM-05
Ethylbenzene	0.0582	0.00110	"	0.110	ND	53.0	80-120	13.2	20	QM-05
Xylene (p/m)	0.121	0.00220	"	0.220	ND	55.0	80-120	10.6	20	QM-05
Xylene (o)	0.0554	0.00110	"	0.110	ND	50.4	80-120	10.3	20	QM-05
Surrogate: 1,4-Difluorobenzene	0.128		"	0.132		96.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.132		97.8	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: Edison 23 #1
Project Number: 23-0111-01
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 P4C2019 - TX 1005

Blank (P4C2019-BLK1)

Prepared: 03/20/24 Analyzed: 03/21/24

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	99.1		"	100		99.1	70-130			
Surrogate: o-Terphenyl	48.2		"	50.0		96.5	70-130			

LCS (P4C2019-BS1)

Prepared: 03/20/24 Analyzed: 03/21/24

C6-C12	825	25.0	mg/kg	1000		82.5	75-125			
>C12-C28	791	25.0	"	1000		79.1	75-125			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	48.3		"	50.0		96.6	70-130			

LCS Dup (P4C2019-BSD1)

Prepared: 03/20/24 Analyzed: 03/21/24

C6-C12	753	25.0	mg/kg	1000		75.3	75-125	9.21	20	
>C12-C28	756	25.0	"	1000		75.6	75-125	4.55	20	
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	45.3		"	50.0		90.6	70-130			

Calibration Check (P4C2019-CCV1)

Prepared: 03/20/24 Analyzed: 03/21/24

C6-C12	431	25.0	mg/kg	500		86.2	85-115			
>C12-C28	446	25.0	"	500		89.3	85-115			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	51.2		"	50.0		102	70-130			

Calibration Check (P4C2019-CCV2)

Prepared: 03/20/24 Analyzed: 03/21/24

C6-C12	445	25.0	mg/kg	500		89.1	85-115			
>C12-C28	438	25.0	"	500		87.7	85-115			
Surrogate: 1-Chlorooctane	128		"	100		128	70-130			
Surrogate: o-Terphenyl	55.4		"	50.0		111	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: Edison 23 #1
Project Number: 23-0111-01
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 P4C2019 - TX 1005

Calibration Check (P4C2019-CCV3)

Prepared: 03/20/24 Analyzed: 03/21/24

C6-C12	468	25.0	mg/kg	500		93.7	85-115			
>C12-C28	439	25.0	"	500		87.8	85-115			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	57.1		"	50.0		114	70-130			

Batch P4C2114 - TX 1005

Blank (P4C2114-BLK1)

Prepared & Analyzed: 03/21/24

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	51.9		"	50.0		104	70-130			

LCS (P4C2114-BS1)

Prepared & Analyzed: 03/21/24

C6-C12	811	25.0	mg/kg	1000		81.1	75-125			
>C12-C28	773	25.0	"	1000		77.3	75-125			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	49.6		"	50.0		99.1	70-130			

LCS Dup (P4C2114-BSD1)

Prepared & Analyzed: 03/21/24

C6-C12	859	25.0	mg/kg	1000		85.9	75-125	5.77	20	
>C12-C28	804	25.0	"	1000		80.4	75-125	3.95	20	
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	50.8		"	50.0		102	70-130			

Calibration Check (P4C2114-CCV1)

Prepared & Analyzed: 03/21/24

C6-C12	483	25.0	mg/kg	500		96.6	85-115			
>C12-C28	481	25.0	"	500		96.2	85-115			
Surrogate: 1-Chlorooctane	127		"	100		127	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: Edison 23 #1
Project Number: 23-0111-01
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 P4C2114 - TX 1005

Calibration Check (P4C2114-CCV2)

Prepared & Analyzed: 03/21/24

C6-C12	473	25.0	mg/kg	500		94.7	85-115			
>C12-C28	467	25.0	"	500		93.4	85-115			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	50.4		"	50.0		101	70-130			

Calibration Check (P4C2114-CCV3)

Prepared: 03/21/24 Analyzed: 03/22/24

C6-C12	487	25.0	mg/kg	500		97.4	85-115			
>C12-C28	475	25.0	"	500		95.1	85-115			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	50.7		"	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: Edison 23 #1
Project Number: 23-0111-01
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 P4C2110 - * DEFAULT PREP *****

Blank (P4C2110-BLK1)		Prepared & Analyzed: 03/21/24								
% Moisture	ND	0.1	%							
Blank (P4C2110-BLK2)		Prepared & Analyzed: 03/21/24								
% Moisture	ND	0.1	%							
Blank (P4C2110-BLK3)		Prepared & Analyzed: 03/21/24								
% Moisture	ND	0.1	%							
Blank (P4C2110-BLK4)		Prepared & Analyzed: 03/21/24								
% Moisture	ND	0.1	%							
Duplicate (P4C2110-DUP1)		Source: 4C20011-02		Prepared & Analyzed: 03/21/24						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P4C2110-DUP2)		Source: 4C20011-12		Prepared & Analyzed: 03/21/24						
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P4C2110-DUP3)		Source: 4C20012-03		Prepared & Analyzed: 03/21/24						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P4C2110-DUP4)		Source: 4C20013-07		Prepared & Analyzed: 03/21/24						
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P4C2110-DUP5)		Source: 4C20013-22		Prepared & Analyzed: 03/21/24						
% Moisture	17.0	0.1	%		17.0			0.00	20	
Duplicate (P4C2110-DUP6)		Source: 4C20017-02		Prepared & Analyzed: 03/21/24						
% Moisture	5.0	0.1	%		5.0			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: Edison 23 #1
Project Number: 23-0111-01
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 P4C2110 - *** DEFAULT PREP ***										
Duplicate (P4C2110-DUP7)	Source: 4C20018-09			Prepared & Analyzed: 03/21/24						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Batch P4C2212 - *** DEFAULT PREP ***										
Blank (P4C2212-BLK1)	Prepared: 03/22/24 Analyzed: 03/26/24									
Chloride	ND	1.00	mg/kg							
LCS (P4C2212-BS1)	Prepared: 03/22/24 Analyzed: 03/26/24									
Chloride	17.4		mg/kg	18.0		96.8	90-110			
LCS Dup (P4C2212-BSD1)	Prepared: 03/22/24 Analyzed: 03/26/24									
Chloride	17.7		mg/kg	18.0		98.5	90-110	1.70	10	
Calibration Check (P4C2212-CCV1)	Prepared: 03/22/24 Analyzed: 03/26/24									
Chloride	17.5		mg/kg	18.0		97.3	90-110			
Calibration Check (P4C2212-CCV2)	Prepared: 03/22/24 Analyzed: 03/26/24									
Chloride	17.4		mg/kg	18.0		96.4	90-110			
Matrix Spike (P4C2212-MS1)	Source: 4C19011-01			Prepared: 03/22/24 Analyzed: 03/26/24						
Chloride	136		mg/kg	100	33.3	102	80-120			
Matrix Spike (P4C2212-MS2)	Source: 4C20017-04			Prepared: 03/22/24 Analyzed: 03/26/24						
Chloride	107		mg/kg	100	6.34	101	80-120			
Matrix Spike Dup (P4C2212-MSD1)	Source: 4C19011-01			Prepared: 03/22/24 Analyzed: 03/26/24						
Chloride	135		mg/kg	100	33.3	102	80-120	0.168	20	

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

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

Project: Edison 23 #1
Project Number: 23-0111-01
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 P4C2212 - * DEFAULT PREP *****

Matrix Spike Dup (P4C2212-MSD2)

Source: 4C20017-04

Prepared: 03/22/24 Analyzed: 03/26/24

Chloride	106		mg/kg	100	6.34	99.4	80-120	1.19	20	
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Batch P4C2611 - * DEFAULT PREP *****

Blank (P4C2611-BLK1)

Prepared & Analyzed: 03/26/24

Chloride	ND	1.00	mg/kg							
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LCS (P4C2611-BS1)

Prepared & Analyzed: 03/26/24

Chloride	16.5		mg/kg	18.0		91.5	90-110			
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Calibration Check (P4C2611-CCV1)

Prepared & Analyzed: 03/26/24

Chloride	17.1		mg/kg	18.0		94.8	90-110			
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Calibration Check (P4C2611-CCV2)

Prepared & Analyzed: 03/26/24

Chloride	17.3		mg/kg	18.0		96.0	90-110			
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Matrix Spike (P4C2611-MS1)

Source: 4C20018-07

Prepared & Analyzed: 03/26/24

Chloride	102		mg/kg	100	-0.100	102	80-120			
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Matrix Spike (P4C2611-MS2)

Source: 4C25008-02

Prepared & Analyzed: 03/26/24

Chloride	105		mg/kg	100	5.62	99.2	80-120			
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Matrix Spike Dup (P4C2611-MSD1)

Source: 4C20018-07

Prepared & Analyzed: 03/26/24

Chloride	101		mg/kg	100	-0.100	101	80-120	0.953	20	
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Matrix Spike Dup (P4C2611-MSD2)

Source: 4C25008-02

Prepared & Analyzed: 03/26/24

Chloride	104		mg/kg	100	5.62	98.9	80-120	0.326	20	
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Permian Basin Environmental Lab, L.P.

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

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

Project: Edison 23 #1
Project Number: 23-0111-01
Project Manager: Mark Larson

Notes and Definitions

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:

4/1/2024

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

Larson & Associates, Inc.

Project: Edison 23 #1

P.O. Box 50685

Project Number: 23-0111-01

Midland TX, 79710

Project Manager: Mark Larson

Permian Basin Environmental Lab, L.P.

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

CHAIN-OF-CUSTO

Varson & Associates, Inc.
Environmental Consultants

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

Data Reported to:

DATE: 3/28/2021 PAGE 1 OF 1
PO#: _____ LAB WORK ORDER#: 462019
PROJECT LOCATION OR NAME: Edison 23 #1
LAI PROJECT #: 23-0111-01 COLLECTOR: Ad

Page 26 of 26

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 ☐ UNPRESERVED		☐ 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 ☐ ☐ TCLP - METALS (RCRA) ☐ TCLP VOC ☐ ☐ TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ ☐ TOTAL METALS (RCRA) ☐ OTHER LIST ☐ ☐ LEAD - TOTAL ☐ P.W. 200.8 ☐ TCLP ☐ ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ ☐ PH ☐ HEXAVALENT CHROMIUM ☐ ☐ EXPLOSIVES ☐ PETCHLORATE ☐ ☐ CHLORIDE ANIONS ☐ ALKALINITY ☐			
Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers						
S-3, 5'	1	3/14/24	1105	S	1	X	X	X	X	X	Analyze TPH to 100 mg/kg per sample location
S-3, 10'	2		1110								
S-3, 15'	3		1115								
S-3, 20'	4		1120								
S-3, 25'	5		1125								
S-3, 30'	6		1130								
S-3, 35'	7		1135								
S-5, 5'	8		1140								
S-5, 10'	9		1145								
S-5, 15'	10		1150								
S-5, 20'	11		1155								
S-5, 25'	12		1200								
S-5, 25'	13	3/14/24	1200	S	1	X	X	X	X	X	
TOTAL											
REINQUISHED BY: (Signature)						DATE/TIME		RECEIVED BY: (Signature)		TURN AROUND TIME	
REINQUISHED BY: (Signature)						DATE/TIME		RECEIVED BY: (Signature)		NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐	
REINQUISHED BY: (Signature)						DATE/TIME		RECEIVED BY: (Signature)		LABORATORY USE ONLY: RECEIVING TEMP: 60 THERM#: 103 CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # ☐ HAND DELIVERED	
LABORATORY: PSEL										NCF 103	

Appendix E

Photographs

Delineation Report and Remediation Plan
V-F Petroleum Corp., Eidson 23 #1
Produced Water Release
December 16, 2024

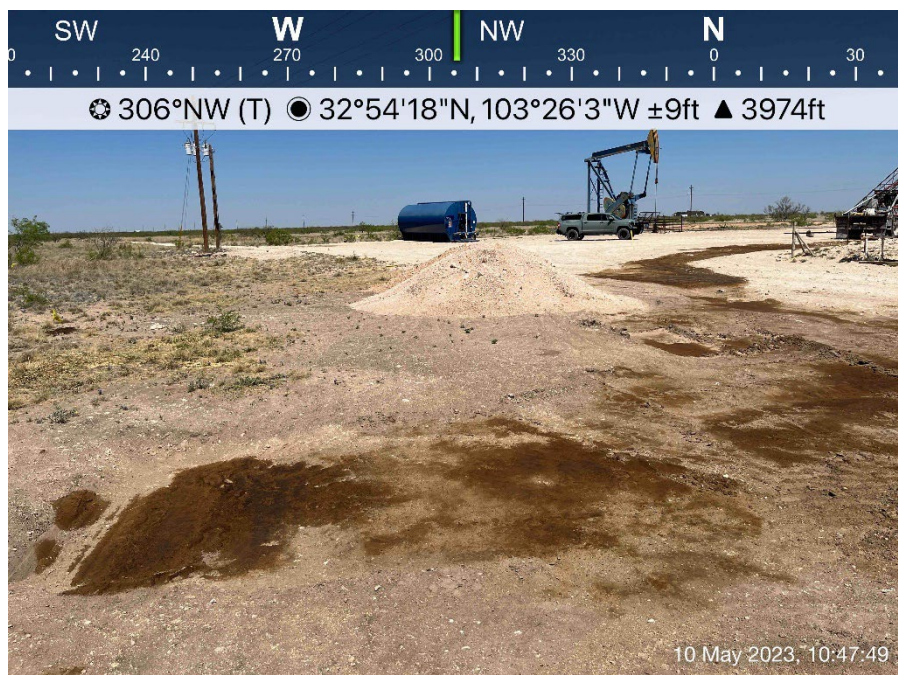


Impacted area on production pad and pasture, viewing to the southeast.

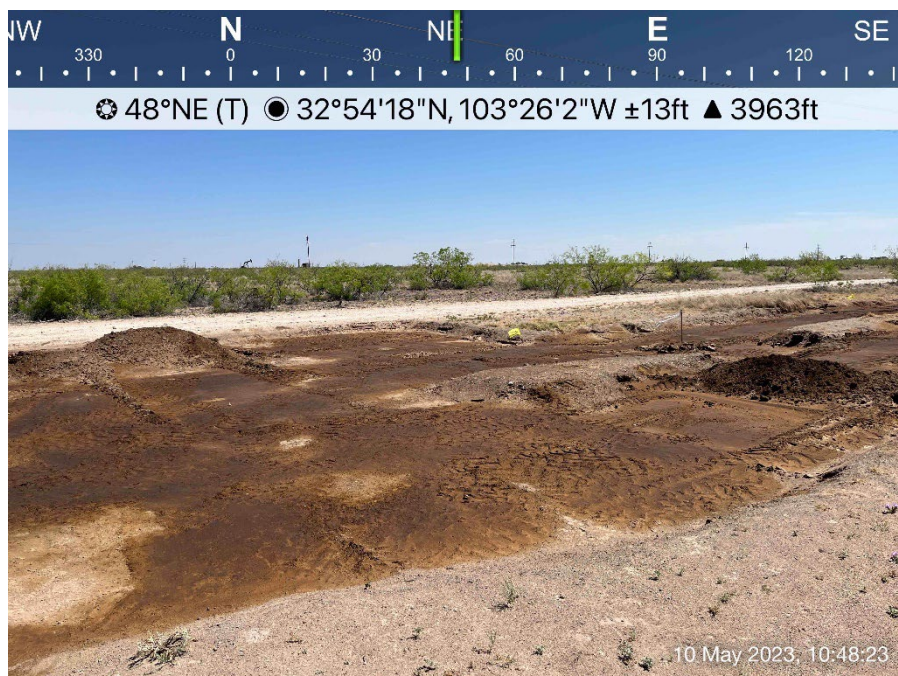


Impacted area on the production pad viewing to the south.

Delineation Report and Remediation Plan
V-F Petroleum Corp., Eidson 23 #1
Produced Water Release
December 16, 2024



Impacted area on the production pad and the pasture, viewing to the northwest.



Impacted area in the pasture, viewing to the northeast.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 418368

QUESTIONS

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 418368
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500352289
Incident Name	NAPP2500352289 EIDSON 23 # 1 @ 30-025-34068
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-34068] EIDSON 23 #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Eidson 23 # 1
Date Release Discovered	04/15/2023
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 418368

QUESTIONS (continued)

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 418368
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Jordan Shaw Title: Counsel Email: jordan@vfpetroleum.com Date: 01/08/2025
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 418368

QUESTIONS (continued)

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 418368
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9160
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	33000
GRO+DRO (EPA SW-846 Method 8015M)	30900
BTEX (EPA SW-846 Method 8021B or 8260B)	2460
Benzene (EPA SW-846 Method 8021B or 8260B)	370
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/01/2025
On what date will (or did) the final sampling or liner inspection occur	05/01/2025
On what date will (or was) the remediation complete(d)	05/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	8752
What is the estimated volume (in cubic yards) that will be reclaimed	1478
What is the estimated surface area (in square feet) that will be remediated	4902
What is the estimated volume (in cubic yards) that will be remediated	1452
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 418368

QUESTIONS (continued)

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID:
	24010
	Action Number:
	418368
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Jordan Shaw Title: Counsel Email: jordan@vfpetroleum.com Date: 01/08/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 418368

QUESTIONS (continued)

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 418368
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 418368

QUESTIONS (continued)

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 418368
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 418368

CONDITIONS

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 418368
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The release area will need confirmation floor/sidewall samples representing no more than 200 ft2. Please make sure that the edge of the release extent is accurately defined. All off-pad areas must meet reclamation/revegetation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the report has been reviewed.	1/16/2025