CARMONA RESOURCES

SITE INFORMATION

Closure Report
SALADO 24 CTB WATER LOOP LINE (03.29.2022)
Incident #: NAPP2209746512
Lea County, New Mexico
Unit O Sec 24 T26S R32E
32.02301928°, -103.6282011°

Produced Water Release
Point of Release: Unknown failure on underground transition piece.
Release Date: 03.29.2022
Volume Released: 65.187 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water



Prepared for:
Chevron U.S.A., Inc.
6301 Deauville Blvd
Midland, Texas 79706

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 PREVIOUS REMEDIATION ACTIVITIES

5.0 RECENT REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURES

FIGURE 1	**OVERVIEW**	**FIGURE 2**	**TOPOGRAPHIC**
FIGURE 3	**PREVIOUS EXCAVATION & SAMPLES**		
FIGURE 4	**PREVIOUS EXCAVATION & DEFERRMENT SAMPLES (ONLY)**		
FIGURE 5	**CURRENT EXCAVATION & SAMPLES**		

APPENDICES

APPENDIX A TABLES

APPENDIX B PHOTOS

APPENDIX C INITIAL AND FINAL C-141/NMOCD CORRESPONDENCE

APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E LABORATORY REPORTS

APPENDIX F PREVIOUSLY SUBMITTED CLOSURE REPORT (DENIED)

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

October 29, 2024

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, NM 87505

Re: Closure Report
SALADO 24 CTB WATER LOOP LINE (03.29.2022)
Incident ID: NAPP2209746512
Chevron U.S.A., Inc.
Site Location: Unit O, S24, T26S, R32E
(Lat 32.02301928º, Long -103.6282011º)
Lea County, New Mexico

To whom it may concern:

On behalf of Chevron U.S.A., Inc. (Chevron), Carmona Resources, LLC has prepared this letter to document site remediation activities for the Salado 24 CTB Water Loop Line (03.29.2022) release. The site is located at 32.02301928º, -103.6282011º within Unit O, S24, T26S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 29, 2022, caused by an unknown failure on underground transition piece. It resulted in approximately sixty-five point one eight seven (65.187) barrels of produced water with no fluid recovered. The spill boundary is shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one groundwater determination bore is within a 0.50-mile radius of the location. A groundwater determination bore was found to be approximately 0.38 miles Northwest of the site in S24, T26S, R32E (32.0250583°, -103.6342389°) and was drilled in 2020. The groundwater determination bore was drilled to a depth of 101.5’ feet below the ground surface (ft bgs). No water was detected after 72 hours. A copy of the associated well log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing and remediating the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.

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4.0 Previous Remediation Activities

Section 4.0 below references a previously denied closure report and can be found in Appendix F

During July and August 2023, a third-party contractor used a hydrovac to remove soil around the aboveground riser and underground flow lines. Soil was excavated to a depth of 4.1 feet bgs encompassing sample locations S-16, S-17, S-18, and S-19. During the same time frame (July and August 2023), an additional third-party contractor mechanically excavated soil from the aera encompassing sample location S-2 to a depth of 1-foot bgs, sample locations S-3, S-4, S-5, S-10, and S-11 to a depth of 1.5 feet bgs, and S-16, S-17, S-18, and S-19 to a depth of 4.1 feet bgs. Excavated soil was stockpiled on a liner on the adjacent well pad south of the excavation area. Hydrovac media (i.e., soil, water, rock) and mechanically excavated soil was hauled to the Milestone Environmental Services Disposal Facility northeast of Orla, Texas.

On August 10, 15, and 23, 2023, the previous consultant collected thirty-three (33) bottom and sidewall composite confirmation soil samples from within the excavated areas. The soil samples were delivered under chain of custody and preservation to the Eurofins-Xenco Laboratories (Xenco) in Midland, Texas. The laboratory analyzed all the confirmation soil samples for BTEX, TPH, and chloride by EPA SW-846 Methods 8021B, 8015M, and EPA Method 300.0E, respectively.

Benzene, BTEX, and TPH reported below the analytical method reporting limit (RL) in all confirmation soil samples. Chloride reported above the NMOCD closure criteria of 600 mg/kg in the following samples:

Sample ID	Location	Depth	Chloride Concentration (mg/kg)
C-18	Sidewall	0 – 4.1’	2,350
C-20	Sidewall	0 – 4.1’	813
C-32	Sidewall	0 – 4.1’	4,290
C-33	Sidewall	0 – 4.1’	788

On September 19, 2023, the previous consultant collected six (6) additional horizontal delineation soil samples (S-20 through S-25) approximately five (5) and ten (10) feet south of sidewall sample locations C-20, C-32, and C-33. Soil samples were collected at a depth of 0 – 1-foot bgs and 1 – 2 feet bgs. Laboratory analysis of these additional delineation soil samples reported benzene, BTEX, TPH, and chloride below the NMOCD delineation and closure requirements. Figure 4 presents an aerial map showing the excavation areas, confirmation soil sample locations, and additional delineation soil sample locations.

On November 9, 2023, contractors excavated an additional one (1) foot of soil encompassing sample location C-18. Subsequent laboratory analysis reported benzene, BTEX, TPH, and chloride concentrations below the NMOCD closure criteria. On December 4, 2023, dirt contractors backfilled the excavation with clean topsoil within the Right-of-Way (ROW). The previous consultant collected three (3) composite samples of topsoil (BF-1 through BF-3) from a nearby borrow pit. Xenco analyzed the backfill samples for BTEX, TPH, and chloride, Benzene, BTEX, and TPH were below the analytical method RL and chloride was less than 600 mg/Kg. Table 2 presents the confirmation and backfill sample analytical data summary. Appendix E presents the laboratory reports. Appendix F presents the photographic documentation.

Deferral Request

Chevron requests deferral for chloride at sample locations C-20 (813 mg/Kg), C-32 (4,290 mg/Kg), and C- 33 (788 mg/Kg). These sample locations are located adjacent to an above ground pipeline and high traffic lease road that provides access to drilling and production operations. Figure 5 presents an aerial map depicting the deferral areas.

Section 4.0 above references a previously denied closure report and can be found in Appendix F

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5.0 Recent Remediation Activities

Deferral Request

"Deferral request is denied per 19.15.29.13D NMAC since the area is considered not needed for production or for subsequent drilling operations. Chevron has 90-days (June 25, 2024) to submit its appropriate or final remediation closure report."

After discussions with NMOCD representatives, further explanation of the denial was received, and a pathway forward was formed to gain closure of this spill incident. The previously deferred areas of C-18, C-20, C-32 & C-33 all needed to be removed in the safest way possible. The areas and sample points that were previously deferred are shown in Figure 4. Communication with the NMOCD can be found in Appendix C.

Beginning on October 17, 2024, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on October 10, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of C-18, C-20, C-32 & C-33 were all hydro-excavated to a depth of 4.1' bgs. A total of four (4) confirmation floor samples were collected (CS-1 through CS-4), and ten (10) sidewall samples (SW-1 through SW-10) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations from the previously denied deferral report are shown in Figure 3. The areas and sample points that were previously deferred are shown in Figure 4. The excavation depths and confirmation sample locations from the current remediation activities discussed in this report are shown in Figure 5.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 320 square feet of contamination was remediated, resulting in 112 cubic yards of hydro-excavated material and transported offsite for proper disposal. Backfill operations were completed on October 25, 2024. Backfill material was sourced locally, located at 32.023927, -103.628024. A composite sample was collected before being utilized as backfill material on October 23, 2024, and laboratory data can be found in Table 1.

6.0 Conclusions

Based on the analytical data from the remediation, no further actions are required at the site. Chevron formally requests the closure of the spill. The area discussed in this report will be reclaimed and revegetated once oilfield operations cease along the pipeline right-of-way. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

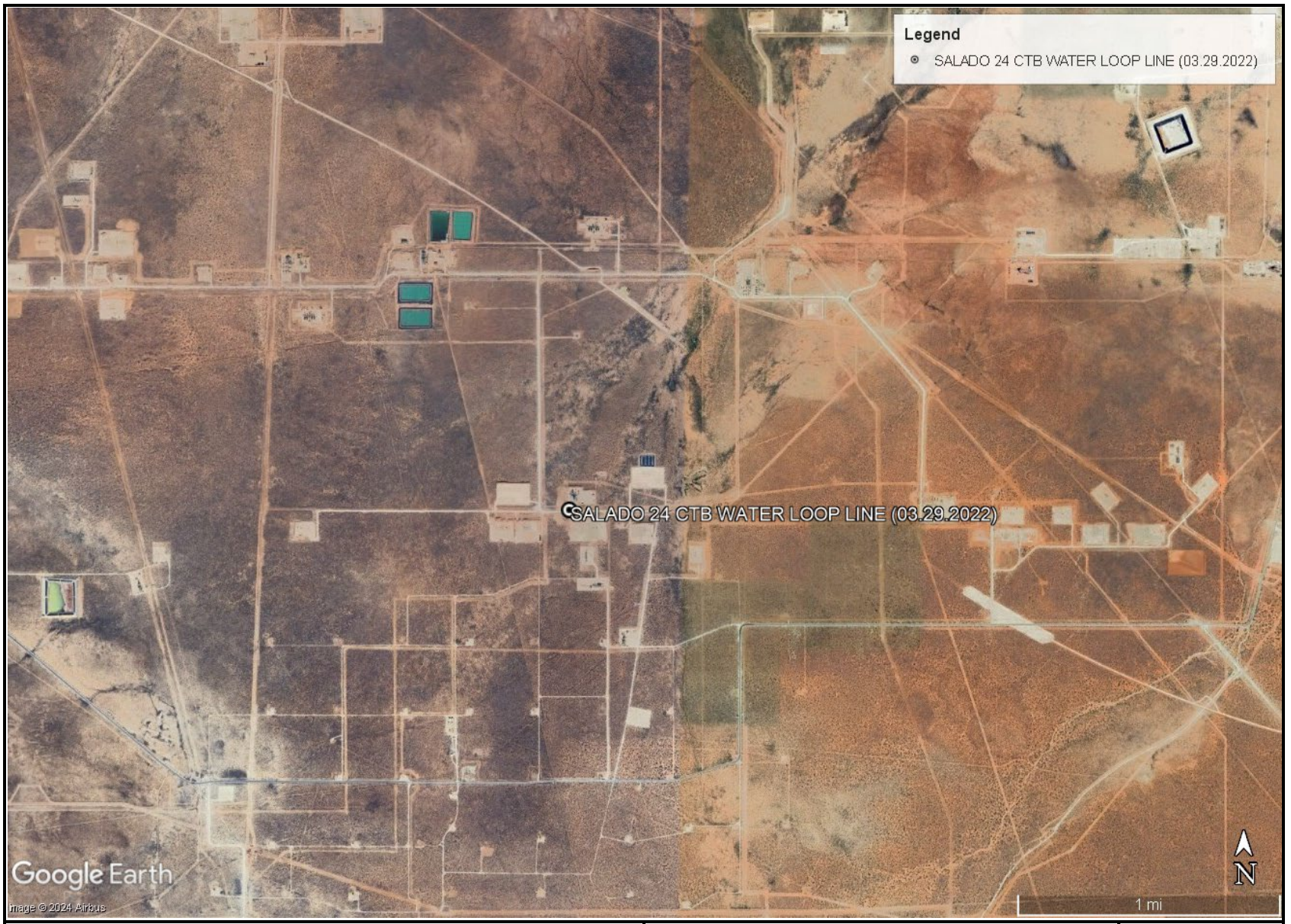
Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

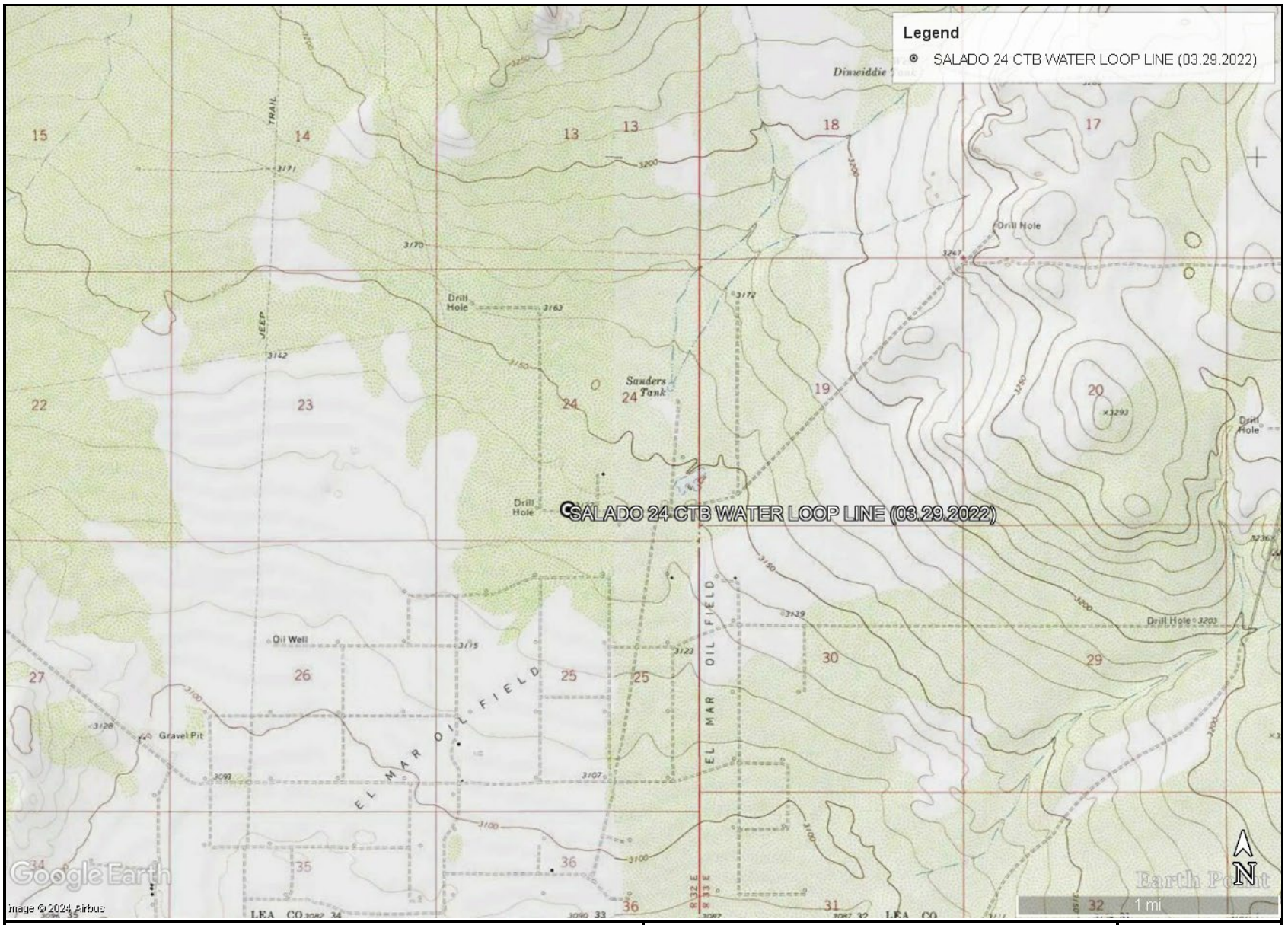
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FIGURES

CARMONA RESOURCES



OVERVIEW MAP CHEVRON U.S.A., INC. SALADO 24 CTB WATER LOOP LINE (03.29.2022) LEA COUNTY, NEW MEXICO 32.02301928°, 103.6282011°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP CHEVRON U.S.A., INC. SALADO 24 CTB WATER LOOP LINE (03.29.2022) LEA COUNTY, NEW MEXICO 32.02301928°, 103.6282011°	CARMONA RESOURCES	FIGURE 2



PREVIOUS EXCAVATION & SAMPLES CHEVRON U.S.A., INC. SALADO 24 CTB WATER LOOP LINE (03.29.2022) LEA COUNTY, NEW MEXICO 32.02301928°, 103.6282011°	CARMONA RESOURCES	FIGURE 3



PREVIOUS EXCAVATION & DEFERRMENT SAMPLES CHEVRON U.S.A., INC. SALADO 24 CTB WATER LOOP LINE (03.29.2022) LEA COUNTY, NEW MEXICO 32.02301928°, 103.6282011°	CARMONA RESOURCES	FIGURE 4



CURRENT EXCAVATION & SAMPLES CHEVRON U.S.A., INC. SALADO 24 CTB WATER LOOP LINE (03.29.2022) LEA COUNTY, NEW MEXICO 32.02301928°, 103.6282011°	CARMONA RESOURCES	FIGURE 5

APPENDIX A

CARMONA RESOURCES



Table 1
Chevron
SALADO 24 CTB WATER LOOP LINE (03.29.2022)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	10/21/2024	4.1'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,250
CS-2	10/23/2024	4.1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.3
CS-3	10/23/2024	4.1'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.92
CS-4	10/23/2024	4.1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	212
SW-1	10/21/2024	4.1'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.6
SW-2	10/21/2024	4.1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.9
SW-3	10/21/2024	4.1'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	55.8
SW-4	10/23/2024	4.1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
SW-5	10/23/2024	4.1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
SW-6	10/23/2024	4.1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	38.1
SW-7	10/23/2024	4.1'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	90.7
SW-8	10/23/2024	4.1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12.1
SW-9	10/23/2024	4.1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	226
SW-10	10/23/2024	4.1'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	11.1
BACKFILL MATERIAL	10/23/2024	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) Confirmation Sample
(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 1

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View West, Area before remedaition began.

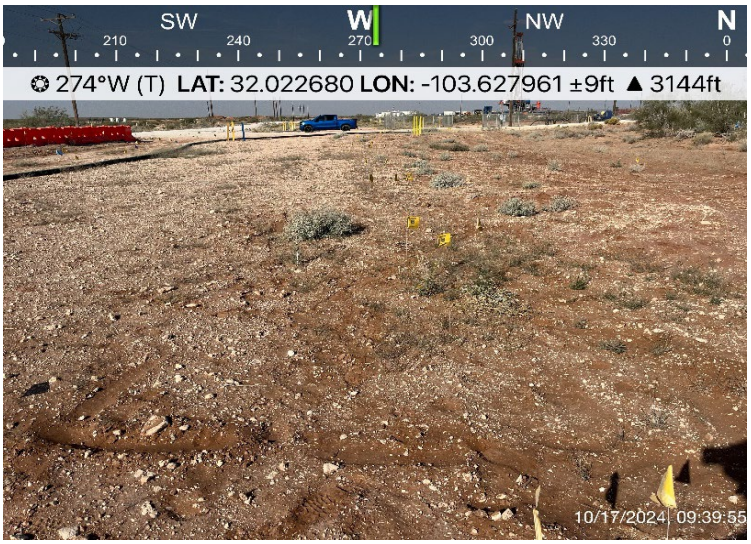


Photograph No. 2

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View West, Area before remedaition began.



Photograph No. 3

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View Northeast, Area of CS-1.



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 4

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View West, Area of CS-1 through CS-3.

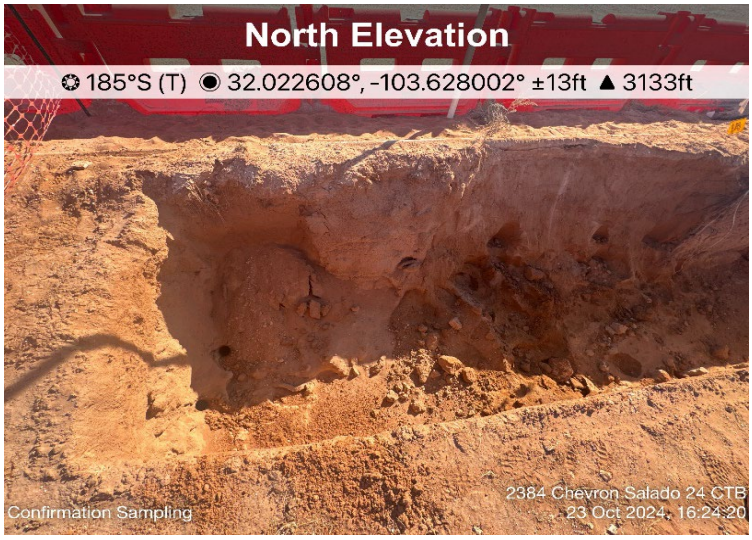


Photograph No. 5

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View South, Area of CS-3.

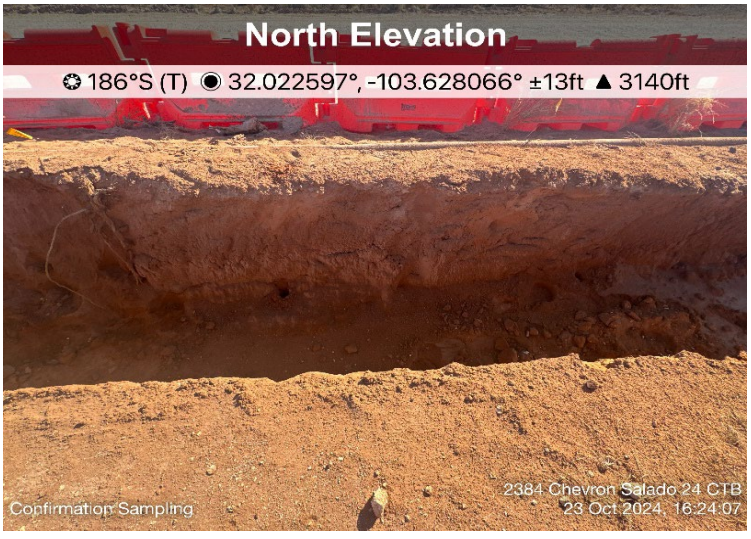


Photograph No. 6

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View South, Area of CS-2 & CS-3.



PHOTOGRAPHIC LOG

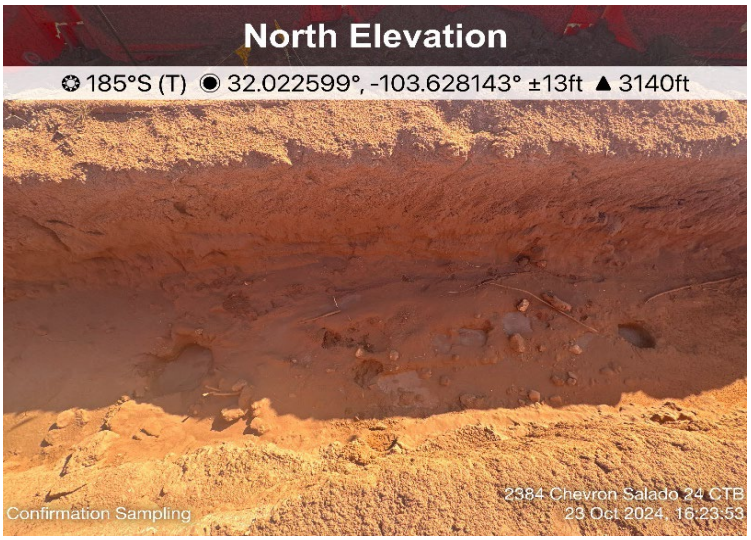
Chevron U.S.A., Inc.

Photograph No. 7

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View South, Area of CS-2.



Photograph No. 8

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View South, Area of CS-1 & CS-2.

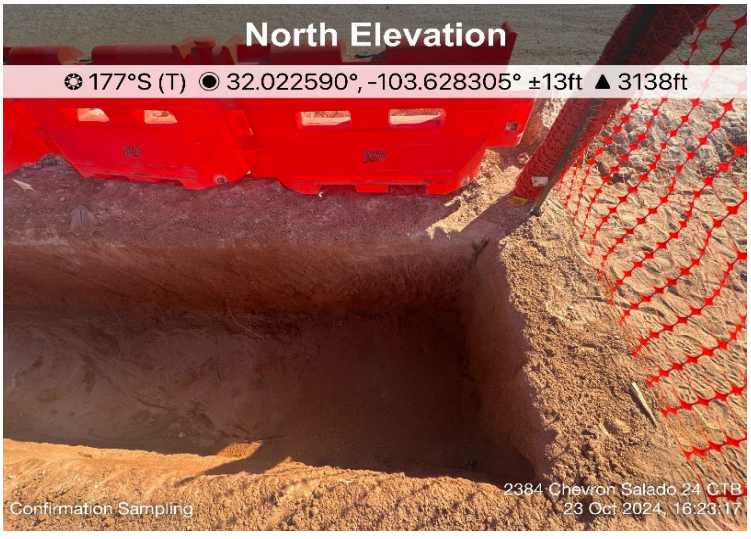


Photograph No. 9

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View South, Area of CS-1.



PHOTOGRAPHIC LOG

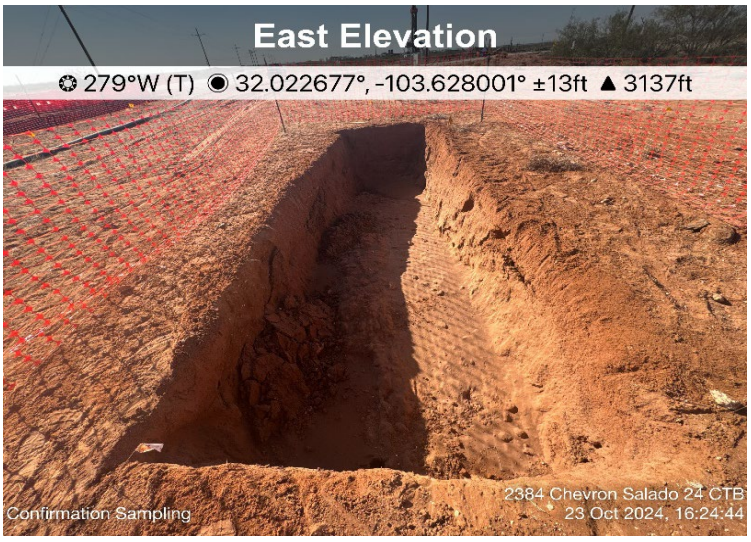
Chevron U.S.A., Inc.

Photograph No. 10

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View West, Area of CS-4.



Photograph No. 11

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View East, Backfilled area of CS-1 through CS-3.



Photograph No. 12

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View West, Backfilled area of CS-1 through CS-3.



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 13

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View West, Backfilled area of CS-4.

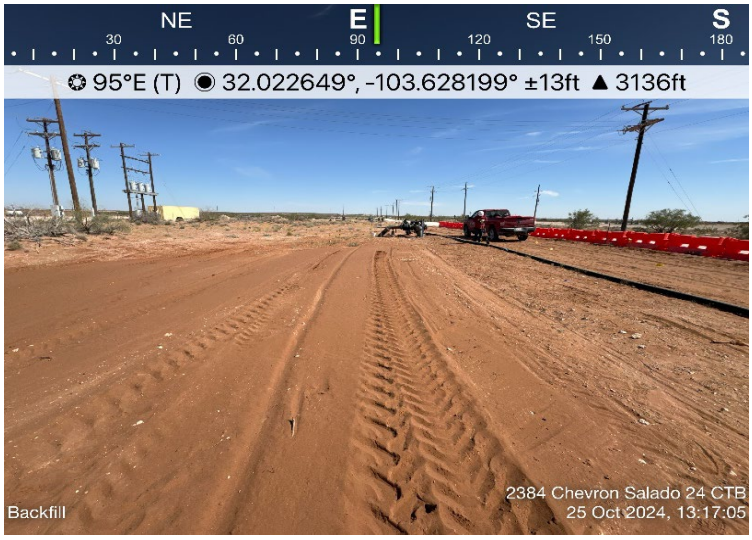


Photograph No. 14

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View East, Backfilled area of CS-4.

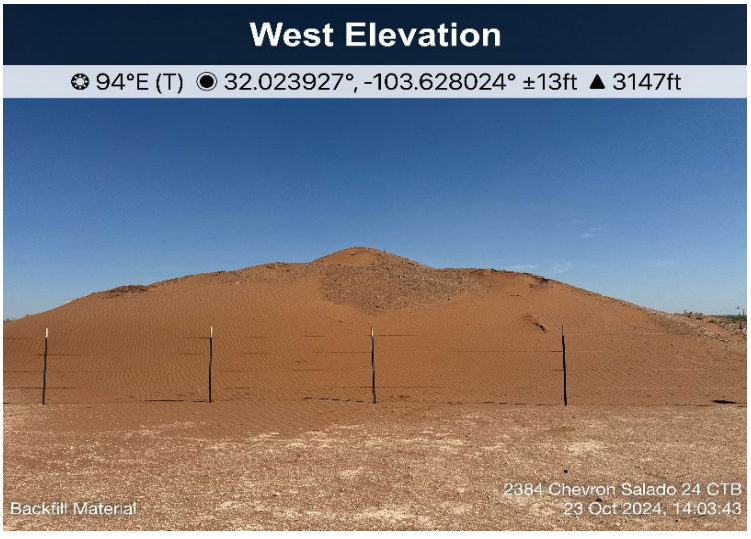


Photograph No. 15

Facility: SALADO 24 CTB WATER LOOP LINE (03.29.2022)

County: Lea County, New Mexico

Description:
View East, Source of Backfill Material.



APPENDIX C

CARMONA RESOURCES

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 96713

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 96713
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all of the questions in this group.*	
Site Name	Salado 24 CTB Water Loop Line
Date Release Discovered	03/29/2022
Surface Owner	Federal

Incident Details *Please answer all of the questions in this group.*	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	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 *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.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Corrosion | Pipeline (Any) | Produced Water | Released: 65 BBL | Recovered: 0 BBL | Lost: 65 BBL]
Is the concentration of dissolved 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.*

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 96713
	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 19.15.29.7(A) NMAC	**Yes, major release.**
Reasons why this would be considered a submission for a notification of a major release	• Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	Amy Barnhill
If YES, was immediate notice given to the OCD, to whom	Mike Bratcher
If YES, was immediate notice given to the OCD, when	03/29/2022
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	E-mail
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 19.15.29.8 B. (4) 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.	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 96713
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a releases 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

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 96713
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
abarnhill	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	4/7/2022

District I
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1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2209746512
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.02301928 Longitude -103.62820115
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Salado Draw 24 CTB	Site Type: Oil
Date Release Discovered: 3-29-22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	24	26S	32E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 65.187	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Unknown failure on underground transition piece.		

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2209746512
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Over 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Amy Barnhill emailed Mike Bratcher on 3-29-22 at 12:45 pm	

Initial Response

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

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

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

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

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

Printed Name: Amy Barnhill Title: Water Specialist

Signature: Amy Barnhill Date: 4-7-22

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Jocelyn Harimon Date: 04/07/2022

Incident ID	nAPP2209746512
District RP	
Facility ID	
Application ID	

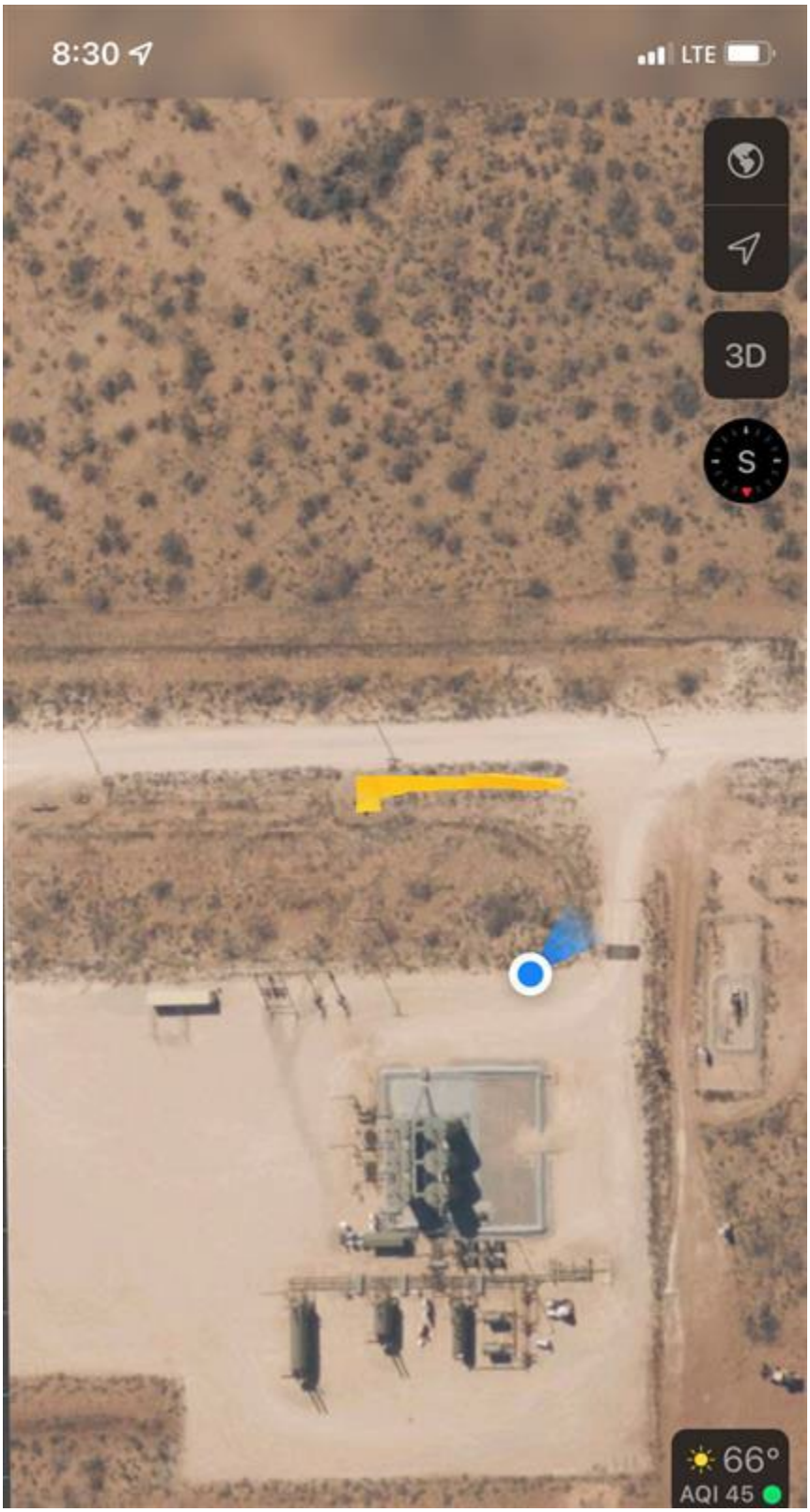
Spill Calculations:

Area 1
Shape: Rectangle
Secondary Containment?: No
Standing Liquid Dimensions: 96 ft x 10 ft x 3
Total Volume: 55.569 bbl
Water Cut: 100 %
Oil Volume:.000 bbl
Penetration Depth: 6 in
Fluid to Soil Volume: 12.824 bbl
Water Volume: 55.569 bbl

Area 2
Shape:Rectangle
Secondary Containment?: No
Standing Liquid Dimensions: 24 ft x 15 ft x in
Total Volume: 9.618 bbl
Water Cut: 100%
Oil Volume: .000 bbl
Penetration Depth: 12 in
Volume to Soil Volume: 9.618 bbl
Water Volume: 9.618 bbl

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2209746512
District RP	
Facility ID	
Application ID	



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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

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 96725
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/7/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Ashton Thielke

From: Ashton Thielke
Sent: Friday, May 24, 2024 9:12 AM
To: Nelson.Velez@state.nm.us
Cc: Mike Carmona; Conner Moehring; Clint Merritt; Devin Dominguez; Barnhill, Amy
Subject: nAPP2209746512 - Deferral Denial Review & Next Steps
Attachments: nAPP2209746512 - Proposed HydroVac & Excavation Map.jpg

Good morning Nelson,

Recently Carmona Resources has been awarded a few chevron projects and the above-mentioned incident ID is one that has some issues that I would like to discuss with you, since you were the reviewer.
"Deferral request is denied per 19.15.29.13D NMAC since the area is considered not needed for production or for subsequent drilling operations. Chevron has 90-days (June 25, 2024) to submit its appropriate or final remediation closure report."
After reviewing the deferral/closure report, I have created a proposed excavation map and plan that I would like for you to quickly review with you.

The areas of C-18, C-20, C-32, & C-33 need to expanded to remove chloride impact left onsite that was attempted to be deferred due to being in close proximity to the roadway, especially the areas of C-20, C-32, & C-33.
Attached is a map showing this proposed excavation.
If you confirm that this is all that is needed, I will present this back to chevron and will coordinate efforts to begin remediation.
I know the deadline of June 25, 2024 is fast approaching but I may need to request an extension due to coordination with dirt/hydrovac contractors as well as traffic control coordination for digging near the roadway.

Feel free to give me a call and I can answer any questions.

Thank you for your time.

Ashton Thielke
Senior Project Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
Environmental Consulting Firm - Carmona Resources

CARMONA RESOURCES

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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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

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 391632
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2209746512**
Incident Name	**NAPP2209746512 SALADO 24 CTB WATER LOOP LINE @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**

Location of Release Source	
Site Name	**SALADO 24 CTB WATER LOOP LINE**
Date Release Discovered	**03/29/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	727
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/15/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	(32.022526, -103.628132) Carmona Resources will be onsite on 10.15.2024 until 10.23.2024 (excluding weekends) to oversee hydro-excavation of all impacted material and to collect composite confirmation samples.

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Santa Fe, NM 87505

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 391632
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
abarnhill	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/10/2024

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

Chevron USA

Legend

- 0.38 Miles
- 0.50 Mile Radius
- Groundwater Determination Bore
- SALADO 24 CTB WATER LOOP LINE (03.29.2022)

101.5' GWDB - Drilled 04.14.2020 (DRY)

SALADO 24 CTB WATER LOOP LINE (03.29.2022)

Google Earth

Image © 2024 Airbus

N

3000 ft

Received by OCD: 11/7/2024 11:03:04 AM

Medium Karst

Chevron USA

Legend

- Medium
- SALADO 24 CTB WATER LOOP LINE (03.29.2022)

SALADO 24 CTB WATER LOOP LINE (03.29.2022)

Google Earth

Released to Imaging: 1/24/2025 3:21:57 PM

Image © 2024 Airbus

N

3000 ft

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are smallest to largest) (meters) (In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04880 POD1		CUB	LE	SW	SE	SE	14	26S	32E	628447.5	3545287.3		1841	112		

Average Depth to Water: **0 feet**

Minimum Depth: **0 feet**

Maximum Depth: **0 feet**

Record Count: 1

UTM Filters (in meters):

Easting: 629546.99

Northing: 3543809.64

Radius: 4000

*** UTM location was derived from PLSS - see Help**

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

BORING RECORD

Start: 10:35 MDT
Finish: 15:15

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG
	0–5	Silty Sand, 5YR 5/4, Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted, Dry	ML	
	5–25	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted, Dry	Caliche	
	25–30	Silty Sand, 5YR 5/4, Reddish Brown, Fine Grained Quartz Sand with Caliche Clasts (~10mm), Poorly Sorted	ML	
	30–39	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted with Subangular Clasts (~10mm)	Caliche	
	39–60	Silty Sand, 5YR 6/4, Light Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted with Subangular Caliche Clasts (~10mm)	ML	

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

SAMPLE NUMBER	PID READING	RECOVERY	DEPTH
1			5–7
2			25
3			30
4			39

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

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

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 04-14-2020
BORING NUMBER : SB-01

JOB NUMBER : Chevron/ 19-0180-01
HOLE DIAMETER : 2"
LOCATION : Salado Draw 24 CTB 32.0250583°, -103.6342389°
LAI GEOLOGIST : E. Chavez
DRILLING CONTRACTOR : Scarborough
DRILLING METHOD : Air Rotary

BORING RECORD

Start: 10:35 MDT
Finish: 15:15

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING PPM X	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING
	65	Silty Sand, 5YR 5/6, Yellowish Red, Very Fine Grained, Poorly Sorted with Subangular Caliche and Black Chert Clasts (~0.5mm)	ML			5			66	SOIL : PPM SOIL : PPM
	70								70	
	75								75	
	80								80	
	85								85	
	90	Silty Sand, 5YR 4/6, Yellowish Red, Fine Grained, Poorly Sorted with Subangular Caliche (~2mm)	ML						90	
	95								95	
	100	TD:101.5' *Dry After 72 Hours*				6			100 101.5	
	105								105	

PID READING scale: 2 4 6 8 10 12 14 16 18

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

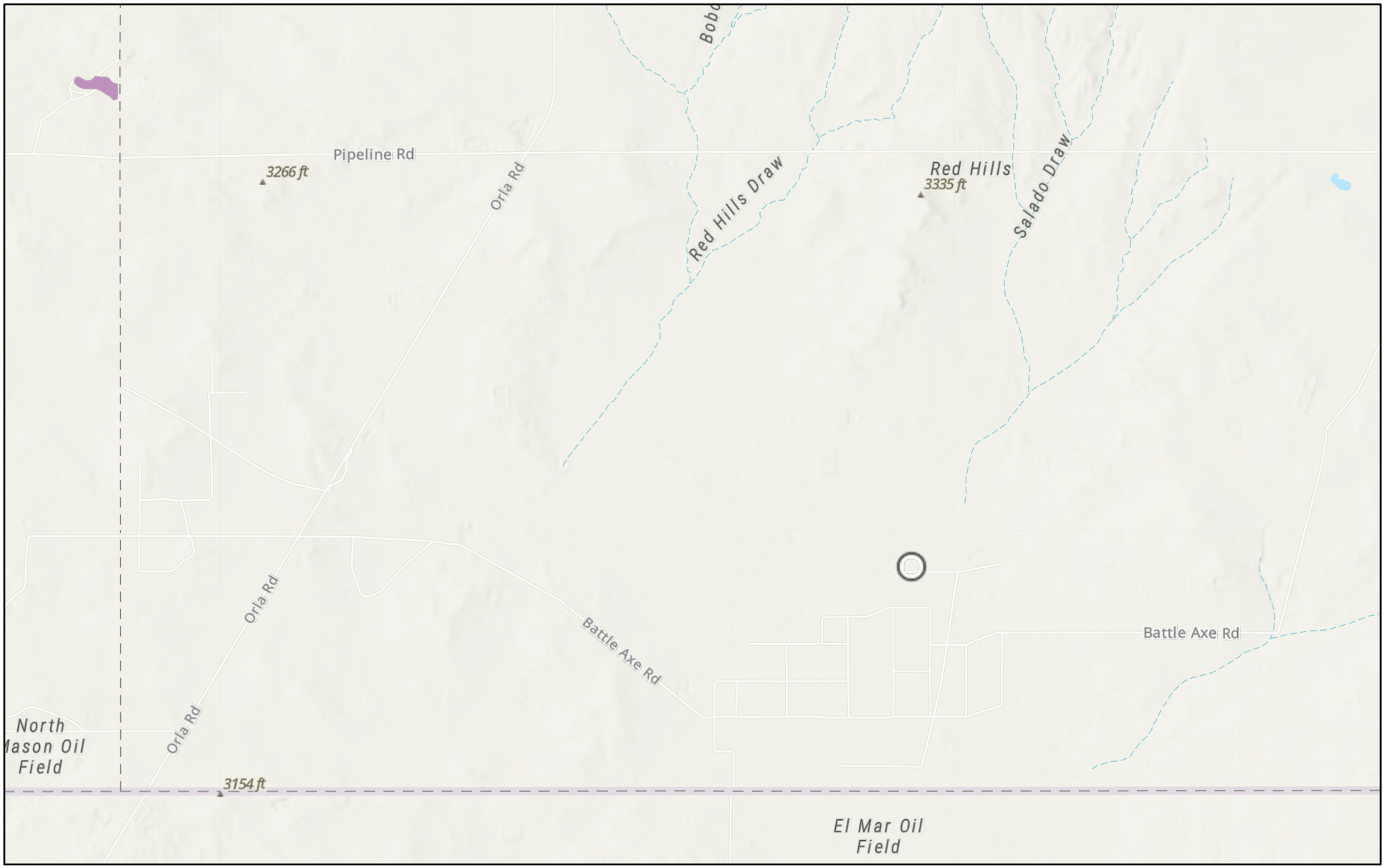
Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 04-14-2020

BORING NUMBER : SB-01

JOB NUMBER : Chevron/ 19-0180-01
HOLE DIAMETER : 2"
LOCATION : Salado Draw 24 CTB 32.0250583°, -103.6342389°
LAI GEOLOGIST : E. Chavez
DRILLING CONTRACTOR : Scarborough
DRILLING METHOD : Air Rotary

SALADO 24 CTB WATER LOOP LINE (03.29.2022)



10/25/2024

USA Flood Hazard Areas

1% Annual Chance Flood Hazard

World Hillshade

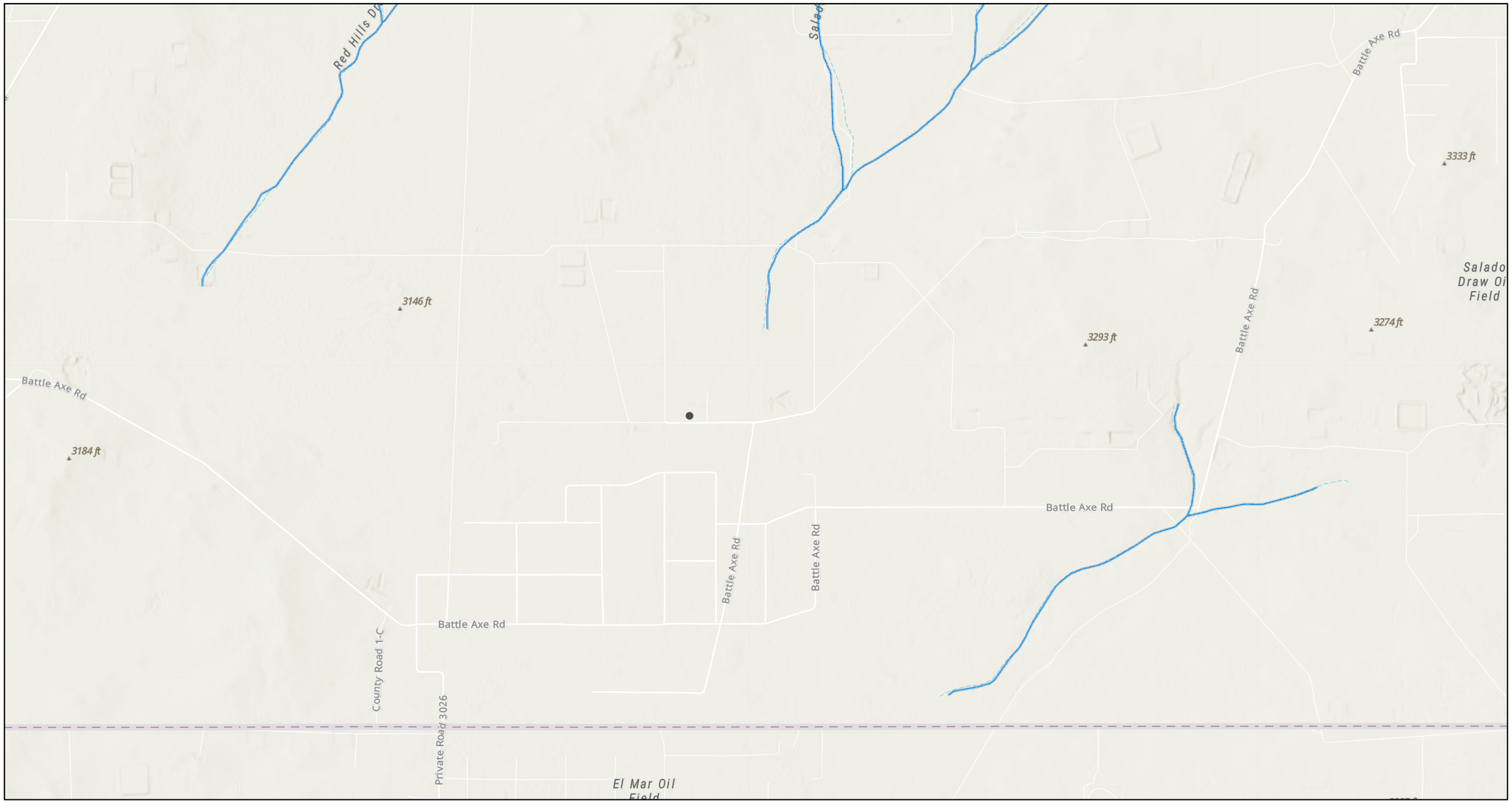
1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri,

SALADO 24 CTB WATER LOOP LINE (03.29.2022)



10/25/2024, 2:30:29 PM

OSE Streams

1:36,112

0 0.38 0.75 1.5 mi

0 0.5 1 2 km

Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

New Mexico Oil Conservation Division

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 10/29/2024 9:07:38 AM Revision 1

JOB DESCRIPTION

Salado 24 CTB Water Loop Line
Lea Co, NM

JOB NUMBER

880-50045-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 11/24/2025 3:21:57 PM

my EOL

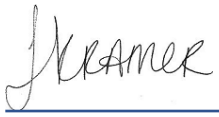
Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/29/2024 9:07:38 AM
Revision 1

Authorized for release by
Jessica Kramer, Project Manager
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Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 9
QC Sample Results 10
QC Association Summary 14
Lab Chronicle 16
Certification Summary 18
Method Summary 19
Sample Summary 20
Chain of Custody 21
Receipt Checklists 22

Released to Imaging: 1/24/2025 3:21:57 PM

Definitions/Glossary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources Job ID: 880-50045-1
Project: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1 Eurofins Midland

Job Narrative
880-50045-1

REVISION

The report being provided is a revision of the original report sent on 10/23/2024. The report (revision 1) is being revised due to Per client email, requesting sample depth correction.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/22/2024 8:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (4.1') (880-50045-1), SW-1 (4.1') (880-50045-2), SW-2 (4.1') (880-50045-3) and SW-3 (4.1') (880-50045-4).

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

Diesel Range Organics
Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-93834 and analytical batch 880-93853 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CS-1 (4.1') (880-50045-1) and (LCS 880-93834/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-1 (4.1') (880-50045-2), SW-2 (4.1') (880-50045-3), SW-3 (4.1') (880-50045-4), (880-50045-A-1-C MS) and (880-50045-A-1-D MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-93834 and analytical batch 880-93853 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

Client Sample ID: CS-1 (4.1')

Lab Sample ID: 880-50045-1
Matrix: Solid
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 11:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 11:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 11:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/22/24 09:30	10/22/24 11:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 11:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/22/24 09:30	10/22/24 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*10/22/24 09:30*	*10/22/24 11:42*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/22/24 09:30*	*10/22/24 11:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/22/24 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/24 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		10/22/24 09:13	10/22/24 12:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		10/22/24 09:13	10/22/24 12:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/24 09:13	10/22/24 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*168*	*S1+*	*70 - 130*	*10/22/24 09:13*	*10/22/24 12:48*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*10/22/24 09:13*	*10/22/24 12:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2250**		50.2		mg/Kg			10/22/24 10:53	5

Client Sample ID: SW-1 (4.1')

Lab Sample ID: 880-50045-2
Matrix: Solid
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/22/24 09:30	10/22/24 12:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/22/24 09:30	10/22/24 12:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/22/24 09:30	10/22/24 12:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/22/24 09:30	10/22/24 12:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/22/24 09:30	10/22/24 12:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/22/24 09:30	10/22/24 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/22/24 09:30*	*10/22/24 12:02*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/22/24 09:30*	*10/22/24 12:02*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

Client Sample ID: SW-1 (4.1')
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

Lab Sample ID: 880-50045-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/22/24 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/22/24 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+ *1	49.7		mg/Kg		10/22/24 09:13	10/22/24 13:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		10/22/24 09:13	10/22/24 13:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/22/24 09:13	10/22/24 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*10/22/24 09:13*	*10/22/24 13:50*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/22/24 09:13*	*10/22/24 13:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.6**		9.96		mg/Kg			10/22/24 10:57	1

Client Sample ID: SW-2 (4.1')
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

Lab Sample ID: 880-50045-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 12:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/22/24 09:30	10/22/24 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 12:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/22/24 09:30	10/22/24 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*10/22/24 09:30*	*10/22/24 12:23*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*10/22/24 09:30*	*10/22/24 12:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/22/24 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/24 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		10/22/24 09:13	10/22/24 14:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		10/22/24 09:13	10/22/24 14:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

Client Sample ID: SW-2 (4.1')

Lab Sample ID: 880-50045-3
Matrix: Solid
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/22/24 09:13	10/22/24 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*10/22/24 09:13*	*10/22/24 14:05*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/22/24 09:13*	*10/22/24 14:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.9**		10.1		mg/Kg			10/22/24 11:12	1

Client Sample ID: SW-3 (4.1')

Lab Sample ID: 880-50045-4
Matrix: Solid
Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 12:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 12:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 12:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/22/24 09:30	10/22/24 12:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/22/24 09:30	10/22/24 12:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/22/24 09:30	10/22/24 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*10/22/24 09:30*	*10/22/24 12:43*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/22/24 09:30*	*10/22/24 12:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/22/24 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/24 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	49.8		mg/Kg		10/22/24 09:13	10/22/24 14:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		10/22/24 09:13	10/22/24 14:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/22/24 09:13	10/22/24 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*147*	*S1+*	*70 - 130*	*10/22/24 09:13*	*10/22/24 14:21*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/22/24 09:13*	*10/22/24 14:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.8**		10.0		mg/Kg			10/22/24 11:16	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-50045-1	CS-1 (4.1')	120	95
880-50045-1 MS	CS-1 (4.1')	107	100
880-50045-1 MSD	CS-1 (4.1')	97	103
880-50045-2	SW-1 (4.1')	107	95
880-50045-3	SW-2 (4.1')	119	91
880-50045-4	SW-3 (4.1')	120	94
LCS 880-93837/1-A	Lab Control Sample	98	100
LCSD 880-93837/2-A	Lab Control Sample Dup	101	101
MB 880-93837/5-A	Method Blank	109	88

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)
880-50045-1	CS-1 (4.1')	168 S1+	135 S1+
880-50045-1 MS	CS-1 (4.1')	142 S1+	127
880-50045-1 MSD	CS-1 (4.1')	146 S1+	128
880-50045-2	SW-1 (4.1')	144 S1+	117
880-50045-3	SW-2 (4.1')	146 S1+	117
880-50045-4	SW-3 (4.1')	147 S1+	117
LCS 880-93834/2-A	Lab Control Sample	191 S1+	173 S1+
LCSD 880-93834/3-A	Lab Control Sample Dup	123	111
MB 880-93834/1-A	Method Blank	100	82

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93837/5-A
Matrix: Solid
Analysis Batch: 93821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/22/24 09:30	10/22/24 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/22/24 09:30	10/22/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/22/24 09:30	10/22/24 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/22/24 09:30*	*10/22/24 11:20*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/22/24 09:30*	*10/22/24 11:20*	*1*

Lab Sample ID: LCS 880-93837/1-A
Matrix: Solid
Analysis Batch: 93821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1042		mg/Kg		104	70 - 130
Toluene	0.100	0.1050		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1026		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2017		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1014		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-93837/2-A
Matrix: Solid
Analysis Batch: 93821

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93837

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1055		mg/Kg		105	70 - 130	1	35
Toluene	0.100	0.1058		mg/Kg		106	70 - 130	1	35
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2028		mg/Kg		101	70 - 130	1	35
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130	1	35

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

Lab Sample ID: 880-50045-1 MS
Matrix: Solid
Analysis Batch: 93821

Client Sample ID: CS-1 (4.1')
Prep Type: Total/NA
Prep Batch: 93837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09897		mg/Kg		99	70 - 130
Toluene	<0.00201	U	0.100	0.09839		mg/Kg		98	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-50045-1 MS
Matrix: Solid
Analysis Batch: 93821

Client Sample ID: CS-1 (4.1')
Prep Type: Total/NA
Prep Batch: 93837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09580		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1877		mg/Kg		94	70 - 130
o-Xylene	<0.00201	U	0.100	0.09422		mg/Kg		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-50045-1 MSD
Matrix: Solid
Analysis Batch: 93821

Client Sample ID: CS-1 (4.1')
Prep Type: Total/NA
Prep Batch: 93837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1054		mg/Kg		105	70 - 130	6	35
Toluene	<0.00201	U	0.100	0.1046		mg/Kg		105	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.100	0.1021		mg/Kg		102	70 - 130	6	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2003		mg/Kg		100	70 - 130	7	35
o-Xylene	<0.00201	U	0.100	0.1011		mg/Kg		101	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

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

Lab Sample ID: MB 880-93834/1-A
Matrix: Solid
Analysis Batch: 93853

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/22/24 09:13	10/22/24 10:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/22/24 09:13	10/22/24 10:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/22/24 09:13	10/22/24 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/22/24 09:13*	*10/22/24 10:38*	*1*
o-Terphenyl	*82*		*70 - 130*	*10/22/24 09:13*	*10/22/24 10:38*	*1*

Lab Sample ID: LCS 880-93834/2-A
Matrix: Solid
Analysis Batch: 93853

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1395	*+	mg/Kg		139	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1136		mg/Kg		114	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-93834/2-A
Matrix: Solid
Analysis Batch: 93853

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93834

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	191	S1+	70 - 130
o-Terphenyl	173	S1+	70 - 130

Lab Sample ID: LCSD 880-93834/3-A
Matrix: Solid
Analysis Batch: 93853

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93834

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	904.8	*1	mg/Kg		90	70 - 130	43	20
Diesel Range Organics (Over C10-C28)			1000	731.2	*1	mg/Kg		73	70 - 130	43	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-50045-1 MS
Matrix: Solid
Analysis Batch: 93853

Client Sample ID: CS-1 (4.1')
Prep Type: Total/NA
Prep Batch: 93834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	993	948.7		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *1	993	768.6		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	142	S1+	70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: 880-50045-1 MSD
Matrix: Solid
Analysis Batch: 93853

Client Sample ID: CS-1 (4.1')
Prep Type: Total/NA
Prep Batch: 93834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	993	976.3		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U *1	993	779.1		mg/Kg		78	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	128		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93817/1-A
Matrix: Solid
Analysis Batch: 93823

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/22/24 08:46	1

Lab Sample ID: LCS 880-93817/2-A
Matrix: Solid
Analysis Batch: 93823

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	226.4		mg/Kg		91	90 - 110		

Lab Sample ID: LCSD 880-93817/3-A
Matrix: Solid
Analysis Batch: 93823

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	234.5		mg/Kg		94	90 - 110	4	20

Lab Sample ID: 880-50045-2 MS
Matrix: Solid
Analysis Batch: 93823

Client Sample ID: SW-1 (4.1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	29.6		249	262.4		mg/Kg		94	90 - 110		

Lab Sample ID: 880-50045-2 MSD
Matrix: Solid
Analysis Batch: 93823

Client Sample ID: SW-1 (4.1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	29.6		249	262.2		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 93821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50045-1	CS-1 (4.1')	Total/NA	Solid	8021B	93837
880-50045-2	SW-1 (4.1')	Total/NA	Solid	8021B	93837
880-50045-3	SW-2 (4.1')	Total/NA	Solid	8021B	93837
880-50045-4	SW-3 (4.1')	Total/NA	Solid	8021B	93837
MB 880-93837/5-A	Method Blank	Total/NA	Solid	8021B	93837
LCS 880-93837/1-A	Lab Control Sample	Total/NA	Solid	8021B	93837
LCSD 880-93837/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93837
880-50045-1 MS	CS-1 (4.1')	Total/NA	Solid	8021B	93837
880-50045-1 MSD	CS-1 (4.1')	Total/NA	Solid	8021B	93837

Prep Batch: 93837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50045-1	CS-1 (4.1')	Total/NA	Solid	5035	
880-50045-2	SW-1 (4.1')	Total/NA	Solid	5035	
880-50045-3	SW-2 (4.1')	Total/NA	Solid	5035	
880-50045-4	SW-3 (4.1')	Total/NA	Solid	5035	
MB 880-93837/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93837/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93837/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50045-1 MS	CS-1 (4.1')	Total/NA	Solid	5035	
880-50045-1 MSD	CS-1 (4.1')	Total/NA	Solid	5035	

Analysis Batch: 93917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50045-1	CS-1 (4.1')	Total/NA	Solid	Total BTEX	
880-50045-2	SW-1 (4.1')	Total/NA	Solid	Total BTEX	
880-50045-3	SW-2 (4.1')	Total/NA	Solid	Total BTEX	
880-50045-4	SW-3 (4.1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 93834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50045-1	CS-1 (4.1')	Total/NA	Solid	8015NM Prep	
880-50045-2	SW-1 (4.1')	Total/NA	Solid	8015NM Prep	
880-50045-3	SW-2 (4.1')	Total/NA	Solid	8015NM Prep	
880-50045-4	SW-3 (4.1')	Total/NA	Solid	8015NM Prep	
MB 880-93834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-50045-1 MS	CS-1 (4.1')	Total/NA	Solid	8015NM Prep	
880-50045-1 MSD	CS-1 (4.1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50045-1	CS-1 (4.1')	Total/NA	Solid	8015B NM	93834
880-50045-2	SW-1 (4.1')	Total/NA	Solid	8015B NM	93834
880-50045-3	SW-2 (4.1')	Total/NA	Solid	8015B NM	93834
880-50045-4	SW-3 (4.1')	Total/NA	Solid	8015B NM	93834
MB 880-93834/1-A	Method Blank	Total/NA	Solid	8015B NM	93834
LCS 880-93834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93834

QC Association Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 93853 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-93834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93834
880-50045-1 MS	CS-1 (4.1')	Total/NA	Solid	8015B NM	93834
880-50045-1 MSD	CS-1 (4.1')	Total/NA	Solid	8015B NM	93834

Analysis Batch: 93888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50045-1	CS-1 (4.1')	Total/NA	Solid	8015 NM	
880-50045-2	SW-1 (4.1')	Total/NA	Solid	8015 NM	
880-50045-3	SW-2 (4.1')	Total/NA	Solid	8015 NM	
880-50045-4	SW-3 (4.1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50045-1	CS-1 (4.1')	Soluble	Solid	DI Leach	
880-50045-2	SW-1 (4.1')	Soluble	Solid	DI Leach	
880-50045-3	SW-2 (4.1')	Soluble	Solid	DI Leach	
880-50045-4	SW-3 (4.1')	Soluble	Solid	DI Leach	
MB 880-93817/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93817/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93817/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-50045-2 MS	SW-1 (4.1')	Soluble	Solid	DI Leach	
880-50045-2 MSD	SW-1 (4.1')	Soluble	Solid	DI Leach	

Analysis Batch: 93823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50045-1	CS-1 (4.1')	Soluble	Solid	300.0	93817
880-50045-2	SW-1 (4.1')	Soluble	Solid	300.0	93817
880-50045-3	SW-2 (4.1')	Soluble	Solid	300.0	93817
880-50045-4	SW-3 (4.1')	Soluble	Solid	300.0	93817
MB 880-93817/1-A	Method Blank	Soluble	Solid	300.0	93817
LCS 880-93817/2-A	Lab Control Sample	Soluble	Solid	300.0	93817
LCSD 880-93817/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93817
880-50045-2 MS	SW-1 (4.1')	Soluble	Solid	300.0	93817
880-50045-2 MSD	SW-1 (4.1')	Soluble	Solid	300.0	93817

Lab Chronicle

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

Client Sample ID: CS-1 (4.1')

Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

Lab Sample ID: 880-50045-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93837	10/22/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93821	10/22/24 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93917	10/22/24 11:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			93888	10/22/24 12:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 12:48	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93817	10/22/24 08:20	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	93823	10/22/24 10:53	CH	EET MID

Client Sample ID: SW-1 (4.1')

Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

Lab Sample ID: 880-50045-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93837	10/22/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93821	10/22/24 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93917	10/22/24 12:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			93888	10/22/24 13:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 13:50	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93817	10/22/24 08:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93823	10/22/24 10:57	CH	EET MID

Client Sample ID: SW-2 (4.1')

Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

Lab Sample ID: 880-50045-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93837	10/22/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93821	10/22/24 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93917	10/22/24 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			93888	10/22/24 14:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 14:05	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93817	10/22/24 08:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93823	10/22/24 11:12	CH	EET MID

Client Sample ID: SW-3 (4.1')

Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

Lab Sample ID: 880-50045-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	93837	10/22/24 09:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93821	10/22/24 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93917	10/22/24 12:43	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

Client Sample ID: SW-3 (4.1')

Date Collected: 10/21/24 00:00
Date Received: 10/22/24 08:20

Lab Sample ID: 880-50045-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93888	10/22/24 14:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	93834	10/22/24 09:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93853	10/22/24 14:21	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93817	10/22/24 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93823	10/22/24 11:16	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

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	06-30-25

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

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: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50045-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-50045-1	CS-1 (4.1')	Solid	10/21/24 00:00	10/22/24 08:20
880-50045-2	SW-1 (4.1')	Solid	10/21/24 00:00	10/22/24 08:20
880-50045-3	SW-2 (4.1')	Solid	10/21/24 00:00	10/22/24 08:20
880-50045-4	SW-3 (4.1')	Solid	10/21/24 00:00	10/22/24 08:20

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Chain of Custody

Wo

880-50045 Chain of Custody

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	SALADO 24 CTB WATER LOOP LINE	Turn Around	☐ Routine ☑ Rush
Project Number:	2384	Due Date:	24 Hour
Project Location	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR4
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.4
Total Containers:		Corrected Temperature:	-4.5

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	HOLD	Sample Comments
CS-1 (4.25')	10/21/2024		X		Comp	1		X	X	X		
SW-1 (4.25')	10/21/2024		X		Comp	1		X	X	X		
SW-2 (4.25')	10/21/2024		X		Comp	1		X	X	X		
SW-3 (4.25')	10/21/2024		X		Comp	1		X	X	X		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/22/24 0826	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50045-1
SDG Number: Lea Co, NM

Login Number: 50045
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 10/24/2024 9:58:24 PM

JOB DESCRIPTION

Salado 24 CTB Water Loop Line
Lea County, NM

JOB NUMBER

880-50185-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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my EOL

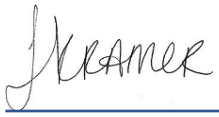
Eurofins Midland

Job Notes

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

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

Authorization



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Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Laboratory Job ID: 880-50185-1
SDG: Lea County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 14
QC Sample Results 16
QC Association Summary 20
Lab Chronicle 23
Certification Summary 27
Method Summary 28
Sample Summary 29
Chain of Custody 30
Receipt Checklists 31

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources Job ID: 880-50185-1
Project: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1 Eurofins Midland

Job Narrative
880-50185-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/24/2024 9:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-2 (4.1') (880-50185-1), CS-3 (4.1') (880-50185-2), CS-4 (4.1') (880-50185-3), SW-4 (4.1') (880-50185-4), SW-5 (4.1') (880-50185-5), SW-6 (4.1') (880-50185-6), SW-7 (4.1') (880-50185-7), SW-8 (4.1') (880-50185-8), SW-9 (4.1') (880-50185-9) and SW-10 (4.1') (880-50185-10).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-93988 and analytical batch 880-93983 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-50175-A-1-C), (880-50175-A-1-A MS) and (880-50175-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: CS-2 (4.1')

Lab Sample ID: 880-50185-1
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:20	10/24/24 14:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:20	10/24/24 14:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:20	10/24/24 14:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/24/24 09:20	10/24/24 14:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:20	10/24/24 14:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/24/24 09:20	10/24/24 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/24/24 09:20*	*10/24/24 14:06*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*10/24/24 09:20*	*10/24/24 14:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/24/24 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/24/24 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 14:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 14:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/24/24 12:48*	*10/24/24 14:50*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/24/24 12:48*	*10/24/24 14:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.3**		9.96		mg/Kg			10/24/24 10:55	1

Client Sample ID: CS-3 (4.1')

Lab Sample ID: 880-50185-2
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/24/24 09:20	10/24/24 14:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/24/24 09:20	10/24/24 14:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/24/24 09:20	10/24/24 14:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/24/24 09:20	10/24/24 14:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/24/24 09:20	10/24/24 14:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/24/24 09:20	10/24/24 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/24/24 09:20*	*10/24/24 14:27*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/24/24 09:20*	*10/24/24 14:27*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: CS-3 (4.1')

Lab Sample ID: 880-50185-2
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/24/24 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/24/24 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/24/24 12:48	10/24/24 15:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/24/24 12:48	10/24/24 15:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/24/24 12:48	10/24/24 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*10/24/24 12:48*	*10/24/24 15:11*	*1*
o-Terphenyl	*120*		*70 - 130*	*10/24/24 12:48*	*10/24/24 15:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			10/24/24 11:02	1

Client Sample ID: CS-4 (4.1')

Lab Sample ID: 880-50185-3
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:20	10/24/24 14:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:20	10/24/24 14:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:20	10/24/24 14:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/24/24 09:20	10/24/24 14:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:20	10/24/24 14:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/24/24 09:20	10/24/24 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*10/24/24 09:20*	*10/24/24 14:47*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/24/24 09:20*	*10/24/24 14:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/24/24 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/24/24 15:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/24/24 12:48	10/24/24 15:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/24/24 12:48	10/24/24 15:31	1

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: CS-4 (4.1')

Lab Sample ID: 880-50185-3
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/24/24 12:48	10/24/24 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*10/24/24 12:48*	*10/24/24 15:31*	*1*
o-Terphenyl	*121*		*70 - 130*	*10/24/24 12:48*	*10/24/24 15:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**212**		10.1		mg/Kg			10/24/24 11:08	1

Client Sample ID: SW-4 (4.1')

Lab Sample ID: 880-50185-4
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 16:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 16:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 16:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/24/24 14:00	10/24/24 16:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 16:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/24/24 14:00	10/24/24 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*10/24/24 14:00*	*10/24/24 16:10*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/24/24 14:00*	*10/24/24 16:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/24/24 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/24/24 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 15:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 15:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/24/24 12:48*	*10/24/24 15:51*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/24/24 12:48*	*10/24/24 15:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			10/24/24 11:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: SW-5 (4.1')

Lab Sample ID: 880-50185-5
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 16:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 16:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 16:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/24/24 14:00	10/24/24 16:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 16:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/24/24 14:00	10/24/24 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*10/24/24 14:00*	*10/24/24 16:30*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*10/24/24 14:00*	*10/24/24 16:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/24/24 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/24/24 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 16:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 16:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*10/24/24 12:48*	*10/24/24 16:12*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/24/24 12:48*	*10/24/24 16:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			10/24/24 11:20	1

Client Sample ID: SW-6 (4.1')

Lab Sample ID: 880-50185-6
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 16:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 16:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 16:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/24/24 14:00	10/24/24 16:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 16:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/24/24 14:00	10/24/24 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*10/24/24 14:00*	*10/24/24 16:51*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/24/24 14:00*	*10/24/24 16:51*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: SW-6 (4.1')

Lab Sample ID: 880-50185-6
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/24/24 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/24/24 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/24/24 12:48	10/24/24 16:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/24/24 12:48	10/24/24 16:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/24/24 12:48	10/24/24 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*10/24/24 12:48*	*10/24/24 16:32*	*1*
o-Terphenyl	*121*		*70 - 130*	*10/24/24 12:48*	*10/24/24 16:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.1**		9.96		mg/Kg			10/24/24 11:27	1

Client Sample ID: SW-7 (4.1')

Lab Sample ID: 880-50185-7
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/24/24 14:00	10/24/24 17:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/24/24 14:00	10/24/24 17:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/24/24 14:00	10/24/24 17:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/24/24 14:00	10/24/24 17:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/24/24 14:00	10/24/24 17:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/24/24 14:00	10/24/24 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*10/24/24 14:00*	*10/24/24 17:11*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/24/24 14:00*	*10/24/24 17:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/24/24 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/24/24 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/24/24 12:48	10/24/24 17:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/24/24 12:48	10/24/24 17:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: SW-7 (4.1')

Lab Sample ID: 880-50185-7
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/24/24 12:48	10/24/24 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*10/24/24 12:48*	*10/24/24 17:08*	*1*
o-Terphenyl	*111*		*70 - 130*	*10/24/24 12:48*	*10/24/24 17:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.7**		9.98		mg/Kg			10/24/24 11:33	1

Client Sample ID: SW-8 (4.1')

Lab Sample ID: 880-50185-8
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 17:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 17:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 17:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/24/24 14:00	10/24/24 17:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 17:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/24/24 14:00	10/24/24 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/24/24 14:00*	*10/24/24 17:32*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/24/24 14:00*	*10/24/24 17:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/24/24 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/24/24 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 17:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 17:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/24/24 12:48	10/24/24 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*10/24/24 12:48*	*10/24/24 17:28*	*1*
o-Terphenyl	*126*		*70 - 130*	*10/24/24 12:48*	*10/24/24 17:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.1**		9.90		mg/Kg			10/24/24 11:39	1

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: SW-9 (4.1')

Lab Sample ID: 880-50185-9
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 17:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 17:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 17:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/24/24 14:00	10/24/24 17:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/24 14:00	10/24/24 17:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/24/24 14:00	10/24/24 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*10/24/24 14:00*	*10/24/24 17:52*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/24/24 14:00*	*10/24/24 17:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/24/24 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/24/24 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/24/24 12:48	10/24/24 17:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/24/24 12:48	10/24/24 17:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/24/24 12:48	10/24/24 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*10/24/24 12:48*	*10/24/24 17:48*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/24/24 12:48*	*10/24/24 17:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**226**		9.92		mg/Kg			10/24/24 12:10	1

Client Sample ID: SW-10 (4.1')

Lab Sample ID: 880-50185-10
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/24/24 14:00	10/24/24 18:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/24/24 14:00	10/24/24 18:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/24/24 14:00	10/24/24 18:13	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/24/24 14:00	10/24/24 18:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/24/24 14:00	10/24/24 18:13	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/24/24 14:00	10/24/24 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*10/24/24 14:00*	*10/24/24 18:13*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/24/24 14:00*	*10/24/24 18:13*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: SW-10 (4.1')

Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Lab Sample ID: 880-50185-10

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/24/24 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/24/24 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/24/24 12:48	10/24/24 18:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/24/24 12:48	10/24/24 18:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/24/24 12:48	10/24/24 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*10/24/24 12:48*	*10/24/24 18:09*	*1*
o-Terphenyl	*119*		*70 - 130*	*10/24/24 12:48*	*10/24/24 18:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.1**		10.0		mg/Kg			10/24/24 12:17	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-50175-A-1-A MS	Matrix Spike	138 S1+	118
880-50175-A-1-B MSD	Matrix Spike Duplicate	274 S1+	92
880-50185-1	CS-2 (4.1')	100	91
880-50185-2	CS-3 (4.1')	103	90
880-50185-3	CS-4 (4.1')	111	90
880-50185-4	SW-4 (4.1')	111	94
880-50185-5	SW-5 (4.1')	119	92
880-50185-6	SW-6 (4.1')	122	85
880-50185-7	SW-7 (4.1')	124	95
880-50185-8	SW-8 (4.1')	121	95
880-50185-9	SW-9 (4.1')	112	96
880-50185-10	SW-10 (4.1')	113	96
LCS 880-93988/1-A	Lab Control Sample	98	104
LCSD 880-93988/2-A	Lab Control Sample Dup	99	102
MB 880-93988/5-A	Method Blank	100	90

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-50185-1	CS-2 (4.1')	109	115
880-50185-1 MS	CS-2 (4.1')	127	116
880-50185-1 MSD	CS-2 (4.1')	122	115
880-50185-2	CS-3 (4.1')	115	120
880-50185-3	CS-4 (4.1')	120	121
880-50185-4	SW-4 (4.1')	110	118
880-50185-5	SW-5 (4.1')	112	118
880-50185-6	SW-6 (4.1')	118	121
880-50185-7	SW-7 (4.1')	112	111
880-50185-8	SW-8 (4.1')	119	126
880-50185-9	SW-9 (4.1')	115	118
880-50185-10	SW-10 (4.1')	121	119
LCS 880-94022/2-A	Lab Control Sample	83	74
LCSD 880-94022/3-A	Lab Control Sample Dup	89	83

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Surrogate Summary

Client: Carmona Resources
Job ID: 880-50185-1
Project/Site: Salado 24 CTB Water Loop Line
SDG: Lea County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
		1CO1	OTPH1						
Lab Sample ID	**Client Sample ID**								
MB 880-94022/1-A	Method Blank								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93988/5-A
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:07	10/24/24 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:07	10/24/24 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:07	10/24/24 11:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/24/24 09:07	10/24/24 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:07	10/24/24 11:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/24/24 09:07	10/24/24 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/24/24 09:07*	*10/24/24 11:00*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/24/24 09:07*	*10/24/24 11:00*	*1*

Lab Sample ID: LCS 880-93988/1-A
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93988

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1103		mg/Kg		110	70 - 130
Toluene	0.100	0.1088		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1059		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-93988/2-A
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93988

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1045		mg/Kg		104	70 - 130	5	35
Toluene	0.100	0.1015		mg/Kg		101	70 - 130	7	35
Ethylbenzene	0.100	0.09865		mg/Kg		99	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1935		mg/Kg		97	70 - 130	7	35
o-Xylene	0.100	0.09690		mg/Kg		97	70 - 130	7	35

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

Lab Sample ID: 880-50175-A-1-A MS
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 93988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.334	F1	0.100	7.350	F1	mg/Kg		7015	70 - 130
Toluene	3.59		0.100	9.524	4	mg/Kg		5934	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

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

Lab Sample ID: 880-50175-A-1-A MS
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 93988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	5.30		0.100	9.986	4	mg/Kg		4682	70 - 130
m-Xylene & p-Xylene	14.8		0.200	22.70	4	mg/Kg		3929	70 - 130
o-Xylene	6.03	F2	0.100	9.577	4	mg/Kg		3548	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: 880-50175-A-1-B MSD
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 93988

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.334	F1	0.100	6.782	F1	mg/Kg		6448	70 - 130	8	35
Toluene	3.59		0.100	9.125	4	mg/Kg		5535	70 - 130	4	35
Ethylbenzene	5.30		0.100	10.98	4	mg/Kg		5679	70 - 130	10	35
m-Xylene & p-Xylene	14.8		0.200	24.50	4	mg/Kg		4828	70 - 130	8	35
o-Xylene	6.03	F2	0.100	35.14	E 4 F2	mg/Kg		29108	70 - 130	114	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*274*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

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

Lab Sample ID: MB 880-94022/1-A
Matrix: Solid
Analysis Batch: 93974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 94022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/24/24 08:00	10/24/24 08:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/24/24 08:00	10/24/24 08:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/24/24 08:00	10/24/24 08:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane				*10/24/24 08:00*	*10/24/24 08:31*	*1*
o-Terphenyl				*10/24/24 08:00*	*10/24/24 08:31*	*1*

Lab Sample ID: LCS 880-94022/2-A
Matrix: Solid
Analysis Batch: 93974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 94022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	905.7		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	925.9		mg/Kg		93	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-94022/2-A
Matrix: Solid
Analysis Batch: 93974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 94022

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: LCSD 880-94022/3-A
Matrix: Solid
Analysis Batch: 93974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 94022

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	907.1		mg/Kg		91	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	950.5		mg/Kg		95	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: 880-50185-1 MS
Matrix: Solid
Analysis Batch: 93974

Client Sample ID: CS-2 (4.1')
Prep Type: Total/NA
Prep Batch: 94022

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	994	869.3		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	994	821.0		mg/Kg		80	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: 880-50185-1 MSD
Matrix: Solid
Analysis Batch: 93974

Client Sample ID: CS-2 (4.1')
Prep Type: Total/NA
Prep Batch: 94022

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	994	824.4		mg/Kg		78	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	994	812.2		mg/Kg		79	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	115		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93981/1-A
Matrix: Solid
Analysis Batch: 93987

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/24/24 09:03	1

Lab Sample ID: LCS 880-93981/2-A
Matrix: Solid
Analysis Batch: 93987

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	254.0		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-93981/3-A
Matrix: Solid
Analysis Batch: 93987

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	251.8		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-50185-8 MS
Matrix: Solid
Analysis Batch: 93987

Client Sample ID: SW-8 (4.1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	12.1		248	261.4		mg/Kg		101	90 - 110		

Lab Sample ID: 880-50185-8 MSD
Matrix: Solid
Analysis Batch: 93987

Client Sample ID: SW-8 (4.1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.1		248	263.6		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 93983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50185-1	CS-2 (4.1')	Total/NA	Solid	8021B	93988
880-50185-2	CS-3 (4.1')	Total/NA	Solid	8021B	93988
880-50185-3	CS-4 (4.1')	Total/NA	Solid	8021B	93988
880-50185-4	SW-4 (4.1')	Total/NA	Solid	8021B	93988
880-50185-5	SW-5 (4.1')	Total/NA	Solid	8021B	93988
880-50185-6	SW-6 (4.1')	Total/NA	Solid	8021B	93988
880-50185-7	SW-7 (4.1')	Total/NA	Solid	8021B	93988
880-50185-8	SW-8 (4.1')	Total/NA	Solid	8021B	93988
880-50185-9	SW-9 (4.1')	Total/NA	Solid	8021B	93988
880-50185-10	SW-10 (4.1')	Total/NA	Solid	8021B	93988
MB 880-93988/5-A	Method Blank	Total/NA	Solid	8021B	93988
LCS 880-93988/1-A	Lab Control Sample	Total/NA	Solid	8021B	93988
LCSD 880-93988/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93988
880-50175-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	93988
880-50175-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	93988

Prep Batch: 93988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50185-1	CS-2 (4.1')	Total/NA	Solid	5035	
880-50185-2	CS-3 (4.1')	Total/NA	Solid	5035	
880-50185-3	CS-4 (4.1')	Total/NA	Solid	5035	
880-50185-4	SW-4 (4.1')	Total/NA	Solid	5035	
880-50185-5	SW-5 (4.1')	Total/NA	Solid	5035	
880-50185-6	SW-6 (4.1')	Total/NA	Solid	5035	
880-50185-7	SW-7 (4.1')	Total/NA	Solid	5035	
880-50185-8	SW-8 (4.1')	Total/NA	Solid	5035	
880-50185-9	SW-9 (4.1')	Total/NA	Solid	5035	
880-50185-10	SW-10 (4.1')	Total/NA	Solid	5035	
MB 880-93988/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93988/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93988/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50175-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-50175-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 94034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50185-1	CS-2 (4.1')	Total/NA	Solid	Total BTEX	
880-50185-2	CS-3 (4.1')	Total/NA	Solid	Total BTEX	
880-50185-3	CS-4 (4.1')	Total/NA	Solid	Total BTEX	
880-50185-4	SW-4 (4.1')	Total/NA	Solid	Total BTEX	
880-50185-5	SW-5 (4.1')	Total/NA	Solid	Total BTEX	
880-50185-6	SW-6 (4.1')	Total/NA	Solid	Total BTEX	
880-50185-7	SW-7 (4.1')	Total/NA	Solid	Total BTEX	
880-50185-8	SW-8 (4.1')	Total/NA	Solid	Total BTEX	
880-50185-9	SW-9 (4.1')	Total/NA	Solid	Total BTEX	
880-50185-10	SW-10 (4.1')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 93974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50185-1	CS-2 (4.1')	Total/NA	Solid	8015B NM	94022
880-50185-2	CS-3 (4.1')	Total/NA	Solid	8015B NM	94022
880-50185-3	CS-4 (4.1')	Total/NA	Solid	8015B NM	94022
880-50185-4	SW-4 (4.1')	Total/NA	Solid	8015B NM	94022
880-50185-5	SW-5 (4.1')	Total/NA	Solid	8015B NM	94022
880-50185-6	SW-6 (4.1')	Total/NA	Solid	8015B NM	94022
880-50185-7	SW-7 (4.1')	Total/NA	Solid	8015B NM	94022
880-50185-8	SW-8 (4.1')	Total/NA	Solid	8015B NM	94022
880-50185-9	SW-9 (4.1')	Total/NA	Solid	8015B NM	94022
880-50185-10	SW-10 (4.1')	Total/NA	Solid	8015B NM	94022
MB 880-94022/1-A	Method Blank	Total/NA	Solid	8015B NM	94022
LCS 880-94022/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	94022
LCSD 880-94022/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	94022
880-50185-1 MS	CS-2 (4.1')	Total/NA	Solid	8015B NM	94022
880-50185-1 MSD	CS-2 (4.1')	Total/NA	Solid	8015B NM	94022

Prep Batch: 94022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50185-1	CS-2 (4.1')	Total/NA	Solid	8015NM Prep	
880-50185-2	CS-3 (4.1')	Total/NA	Solid	8015NM Prep	
880-50185-3	CS-4 (4.1')	Total/NA	Solid	8015NM Prep	
880-50185-4	SW-4 (4.1')	Total/NA	Solid	8015NM Prep	
880-50185-5	SW-5 (4.1')	Total/NA	Solid	8015NM Prep	
880-50185-6	SW-6 (4.1')	Total/NA	Solid	8015NM Prep	
880-50185-7	SW-7 (4.1')	Total/NA	Solid	8015NM Prep	
880-50185-8	SW-8 (4.1')	Total/NA	Solid	8015NM Prep	
880-50185-9	SW-9 (4.1')	Total/NA	Solid	8015NM Prep	
880-50185-10	SW-10 (4.1')	Total/NA	Solid	8015NM Prep	
MB 880-94022/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-94022/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-94022/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-50185-1 MS	CS-2 (4.1')	Total/NA	Solid	8015NM Prep	
880-50185-1 MSD	CS-2 (4.1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 94067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50185-1	CS-2 (4.1')	Total/NA	Solid	8015 NM	
880-50185-2	CS-3 (4.1')	Total/NA	Solid	8015 NM	
880-50185-3	CS-4 (4.1')	Total/NA	Solid	8015 NM	
880-50185-4	SW-4 (4.1')	Total/NA	Solid	8015 NM	
880-50185-5	SW-5 (4.1')	Total/NA	Solid	8015 NM	
880-50185-6	SW-6 (4.1')	Total/NA	Solid	8015 NM	
880-50185-7	SW-7 (4.1')	Total/NA	Solid	8015 NM	
880-50185-8	SW-8 (4.1')	Total/NA	Solid	8015 NM	
880-50185-9	SW-9 (4.1')	Total/NA	Solid	8015 NM	
880-50185-10	SW-10 (4.1')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 93981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50185-1	CS-2 (4.1')	Soluble	Solid	DI Leach	
880-50185-2	CS-3 (4.1')	Soluble	Solid	DI Leach	
880-50185-3	CS-4 (4.1')	Soluble	Solid	DI Leach	
880-50185-4	SW-4 (4.1')	Soluble	Solid	DI Leach	
880-50185-5	SW-5 (4.1')	Soluble	Solid	DI Leach	
880-50185-6	SW-6 (4.1')	Soluble	Solid	DI Leach	
880-50185-7	SW-7 (4.1')	Soluble	Solid	DI Leach	
880-50185-8	SW-8 (4.1')	Soluble	Solid	DI Leach	
880-50185-9	SW-9 (4.1')	Soluble	Solid	DI Leach	
880-50185-10	SW-10 (4.1')	Soluble	Solid	DI Leach	
MB 880-93981/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93981/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93981/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-50185-8 MS	SW-8 (4.1')	Soluble	Solid	DI Leach	
880-50185-8 MSD	SW-8 (4.1')	Soluble	Solid	DI Leach	

Analysis Batch: 93987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50185-1	CS-2 (4.1')	Soluble	Solid	300.0	93981
880-50185-2	CS-3 (4.1')	Soluble	Solid	300.0	93981
880-50185-3	CS-4 (4.1')	Soluble	Solid	300.0	93981
880-50185-4	SW-4 (4.1')	Soluble	Solid	300.0	93981
880-50185-5	SW-5 (4.1')	Soluble	Solid	300.0	93981
880-50185-6	SW-6 (4.1')	Soluble	Solid	300.0	93981
880-50185-7	SW-7 (4.1')	Soluble	Solid	300.0	93981
880-50185-8	SW-8 (4.1')	Soluble	Solid	300.0	93981
880-50185-9	SW-9 (4.1')	Soluble	Solid	300.0	93981
880-50185-10	SW-10 (4.1')	Soluble	Solid	300.0	93981
MB 880-93981/1-A	Method Blank	Soluble	Solid	300.0	93981
LCS 880-93981/2-A	Lab Control Sample	Soluble	Solid	300.0	93981
LCSD 880-93981/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93981
880-50185-8 MS	SW-8 (4.1')	Soluble	Solid	300.0	93981
880-50185-8 MSD	SW-8 (4.1')	Soluble	Solid	300.0	93981

Lab Chronicle

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: CS-2 (4.1')

Lab Sample ID: 880-50185-1
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Prep 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	93988	10/24/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94034	10/24/24 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			94067	10/24/24 14:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	94022	10/24/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93974	10/24/24 14:50	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 10:55	CH	EET MID

Client Sample ID: CS-3 (4.1')

Lab Sample ID: 880-50185-2
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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	93988	10/24/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94034	10/24/24 14:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			94067	10/24/24 15:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	94022	10/24/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93974	10/24/24 15:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 11:02	CH	EET MID

Client Sample ID: CS-4 (4.1')

Lab Sample ID: 880-50185-3
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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	93988	10/24/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94034	10/24/24 14:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			94067	10/24/24 15:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	94022	10/24/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93974	10/24/24 15:31	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 11:08	CH	EET MID

Client Sample ID: SW-4 (4.1')

Lab Sample ID: 880-50185-4
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Prep 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	93988	10/24/24 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 16:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94034	10/24/24 16:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: SW-4 (4.1')

Lab Sample ID: 880-50185-4
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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			94067	10/24/24 15:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	94022	10/24/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93974	10/24/24 15:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 11:14	CH	EET MID

Client Sample ID: SW-5 (4.1')

Lab Sample ID: 880-50185-5
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Prep 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	93988	10/24/24 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 16:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94034	10/24/24 16:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			94067	10/24/24 16:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	94022	10/24/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93974	10/24/24 16:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 11:20	CH	EET MID

Client Sample ID: SW-6 (4.1')

Lab Sample ID: 880-50185-6
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Prep 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	93988	10/24/24 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94034	10/24/24 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			94067	10/24/24 16:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	94022	10/24/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93974	10/24/24 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 11:27	CH	EET MID

Client Sample ID: SW-7 (4.1')

Lab Sample ID: 880-50185-7
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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	93988	10/24/24 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94034	10/24/24 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			94067	10/24/24 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	94022	10/24/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93974	10/24/24 17:08	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Client Sample ID: SW-7 (4.1')

Lab Sample ID: 880-50185-7
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 11:33	CH	EET MID

Client Sample ID: SW-8 (4.1')

Lab Sample ID: 880-50185-8
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

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	93988	10/24/24 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94034	10/24/24 17:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			94067	10/24/24 17:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	94022	10/24/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93974	10/24/24 17:28	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 11:39	CH	EET MID

Client Sample ID: SW-9 (4.1')

Lab Sample ID: 880-50185-9
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Prep 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	93988	10/24/24 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 17:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94034	10/24/24 17:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			94067	10/24/24 17:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	94022	10/24/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93974	10/24/24 17:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 12:10	CH	EET MID

Client Sample ID: SW-10 (4.1')

Lab Sample ID: 880-50185-10
Matrix: Solid
Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Prep 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	93988	10/24/24 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94034	10/24/24 18:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			94067	10/24/24 18:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	94022	10/24/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93974	10/24/24 18:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 12:17	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-50185-1
Project/Site: Salado 24 CTB Water Loop Line
SDG: Lea County, NM

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	06-30-25

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

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: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50185-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-50185-1	CS-2 (4.1')	Solid	10/23/24 00:00	10/24/24 09:11
880-50185-2	CS-3 (4.1')	Solid	10/23/24 00:00	10/24/24 09:11
880-50185-3	CS-4 (4.1')	Solid	10/23/24 00:00	10/24/24 09:11
880-50185-4	SW-4 (4.1')	Solid	10/23/24 00:00	10/24/24 09:11
880-50185-5	SW-5 (4.1')	Solid	10/23/24 00:00	10/24/24 09:11
880-50185-6	SW-6 (4.1')	Solid	10/23/24 00:00	10/24/24 09:11
880-50185-7	SW-7 (4.1')	Solid	10/23/24 00:00	10/24/24 09:11
880-50185-8	SW-8 (4.1')	Solid	10/23/24 00:00	10/24/24 09:11
880-50185-9	SW-9 (4.1')	Solid	10/23/24 00:00	10/24/24 09:11
880-50185-10	SW-10 (4.1')	Solid	10/23/24 00:00	10/24/24 09:11

Released to Imaging: 1/24/2025 3:21:57 PM
Received by OCD: 11/7/2024 11:03:04 AM

Chain of Custody

880-50185 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	SALADO 24 CTB WATER LOOP LINE	Turn Around	☐ Routine ☑ Rush
Project Number:	2384	Due Date:	24 Hour
Project Location	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	CMM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.6
Total Containers:		Corrected Temperature:	1.5

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	HOLD	Sample Comments
CS-2 (4.1')	10/23/2024		X		Comp	1		X	X	X		
CS-3 (4.1')	10/23/2024		X		Comp	1		X	X	X		
CS-4 (4.1')	10/22/2024		X		Comp	1		X	X	X		
SW-4 (4.1')	10/23/2024		X		Comp	1		X	X	X		
SW-5 (4.1')	10/23/2024		X		Comp	1		X	X	X		
SW-6 (4.1')	10/23/2024		X		Comp	1		X	X	X		
SW-7 (4.1')	10/22/2024		X		Comp	1		X	X	X		
SW-8 (4.1')	10/22/2024		X		Comp	1		X	X	X		
SW-9 (4.1')	10/22/2024		X		Comp	1		X	X	X		
SW-10 (4.1')	10/22/2024		X		Comp	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/24/24 911	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50185-1
SDG Number: Lea County, NM

Login Number: 50185
List Number: 1
Creator: Vasquez, Julisa

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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 10/24/2024 9:58:20 PM

JOB DESCRIPTION

Salado 24 CTB Water Loop Line
Lea County, NM

JOB NUMBER

880-50184-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 11/24/2025 3:21:57 PM

my EOL

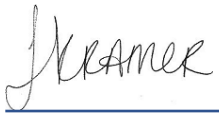
Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/24/2024 9:58:20 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Laboratory Job ID: 880-50184-1
SDG: Lea County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 12
Lab Chronicle 14
Certification Summary 15
Method Summary 16
Sample Summary 17
Chain of Custody 18
Receipt Checklists 19

Definitions/Glossary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1

Job ID: 880-50184-1 Eurofins Midland

Job Narrative
880-50184-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 10/24/2024 9:11 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: Backfill Material (880-50184-1).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-50175-A-1-C), (880-50175-A-1-A MS) and (880-50175-A-1-B MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-93988 and analytical batch 880-93983 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Diesel Range Organics
Method 8015MOD_NM: The method blank for preparation batch 880-93958 and analytical batch 880-93976 contained Diesel Range Organics (Over C10-C28) and Oil Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

Client Sample ID: Backfill Material

Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Lab Sample ID: 880-50184-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 18:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 18:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 18:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/24/24 14:00	10/24/24 18:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/24 14:00	10/24/24 18:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/24/24 14:00	10/24/24 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*10/24/24 14:00*	*10/24/24 18:33*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/24/24 14:00*	*10/24/24 18:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/24/24 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/24/24 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/23/24 15:17	10/24/24 18:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/23/24 15:17	10/24/24 18:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/23/24 15:17	10/24/24 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*10/23/24 15:17*	*10/24/24 18:09*	*1*
o-Terphenyl	*103*		*70 - 130*	*10/23/24 15:17*	*10/24/24 18:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			10/24/24 10:49	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-50175-A-1-A MS	Matrix Spike	138 S1+	118
880-50175-A-1-B MSD	Matrix Spike Duplicate	274 S1+	92
880-50184-1	Backfill Material	117	96
LCS 880-93988/1-A	Lab Control Sample	98	104
LCSD 880-93988/2-A	Lab Control Sample Dup	99	102
MB 880-93988/5-A	Method Blank	100	90

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-50147-A-1-F MS	Matrix Spike	99	94
880-50147-A-1-G MSD	Matrix Spike Duplicate	101	96
880-50184-1	Backfill Material	95	103
LCS 880-93958/2-A	Lab Control Sample	78	75
LCSD 880-93958/3-A	Lab Control Sample Dup	83	81
MB 880-93958/1-A	Method Blank	109	118

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93988/5-A
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:07	10/24/24 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:07	10/24/24 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:07	10/24/24 11:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/24/24 09:07	10/24/24 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/24 09:07	10/24/24 11:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/24/24 09:07	10/24/24 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/24/24 09:07*	*10/24/24 11:00*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/24/24 09:07*	*10/24/24 11:00*	*1*

Lab Sample ID: LCS 880-93988/1-A
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93988

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1103		mg/Kg		110	70 - 130
Toluene	0.100	0.1088		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1059		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-93988/2-A
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93988

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1045		mg/Kg		104	70 - 130	5	35
Toluene	0.100	0.1015		mg/Kg		101	70 - 130	7	35
Ethylbenzene	0.100	0.09865		mg/Kg		99	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1935		mg/Kg		97	70 - 130	7	35
o-Xylene	0.100	0.09690		mg/Kg		97	70 - 130	7	35

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

Lab Sample ID: 880-50175-A-1-A MS
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 93988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.334	F1	0.100	7.350	F1	mg/Kg		7015	70 - 130
Toluene	3.59		0.100	9.524	4	mg/Kg		5934	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

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

Lab Sample ID: 880-50175-A-1-A MS
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 93988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	5.30		0.100	9.986	4	mg/Kg		4682	70 - 130
m-Xylene & p-Xylene	14.8		0.200	22.70	4	mg/Kg		3929	70 - 130
o-Xylene	6.03	F2	0.100	9.577	4	mg/Kg		3548	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: 880-50175-A-1-B MSD
Matrix: Solid
Analysis Batch: 93983

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 93988

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.334	F1	0.100	6.782	F1	mg/Kg		6448	70 - 130	8	35
Toluene	3.59		0.100	9.125	4	mg/Kg		5535	70 - 130	4	35
Ethylbenzene	5.30		0.100	10.98	4	mg/Kg		5679	70 - 130	10	35
m-Xylene & p-Xylene	14.8		0.200	24.50	4	mg/Kg		4828	70 - 130	8	35
o-Xylene	6.03	F2	0.100	35.14	E 4 F2	mg/Kg		29108	70 - 130	114	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*274*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

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

Lab Sample ID: MB 880-93958/1-A
Matrix: Solid
Analysis Batch: 93976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/23/24 15:17	10/24/24 08:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/23/24 15:17	10/24/24 08:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/23/24 15:17	10/24/24 08:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/23/24 15:17*	*10/24/24 08:31*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/23/24 15:17*	*10/24/24 08:31*	*1*

Lab Sample ID: LCS 880-93958/2-A
Matrix: Solid
Analysis Batch: 93976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	960.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	823.7		mg/Kg		82	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-93958/2-A
Matrix: Solid
Analysis Batch: 93976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93958

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	75		70 - 130

Lab Sample ID: LCSD 880-93958/3-A
Matrix: Solid
Analysis Batch: 93976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93958

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	934.6		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	838.0		mg/Kg		84	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-50147-A-1-F MS
Matrix: Solid
Analysis Batch: 93976

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 93958

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	874.8		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	841.8		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-50147-A-1-G MSD
Matrix: Solid
Analysis Batch: 93976

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 93958

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	890.9		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	874.4		mg/Kg		88	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	96		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93981/1-A
Matrix: Solid
Analysis Batch: 93987

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/24/24 09:03	1

Lab Sample ID: LCS 880-93981/2-A
Matrix: Solid
Analysis Batch: 93987

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	254.0		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-93981/3-A
Matrix: Solid
Analysis Batch: 93987

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	251.8		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-50185-A-8-C MS
Matrix: Solid
Analysis Batch: 93987

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	12.1		248	261.4		mg/Kg		101	90 - 110		

Lab Sample ID: 880-50185-A-8-D MSD
Matrix: Solid
Analysis Batch: 93987

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.1		248	263.6		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 93983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50184-1	Backfill Material	Total/NA	Solid	8021B	93988
MB 880-93988/5-A	Method Blank	Total/NA	Solid	8021B	93988
LCS 880-93988/1-A	Lab Control Sample	Total/NA	Solid	8021B	93988
LCSD 880-93988/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93988
880-50175-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	93988
880-50175-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	93988

Prep Batch: 93988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50184-1	Backfill Material	Total/NA	Solid	5035	
MB 880-93988/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93988/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93988/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50175-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-50175-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 94068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50184-1	Backfill Material	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 93958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50184-1	Backfill Material	Total/NA	Solid	8015NM Prep	
MB 880-93958/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93958/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93958/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-50147-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-50147-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50184-1	Backfill Material	Total/NA	Solid	8015B NM	93958
MB 880-93958/1-A	Method Blank	Total/NA	Solid	8015B NM	93958
LCS 880-93958/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93958
LCSD 880-93958/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93958
880-50147-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	93958
880-50147-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	93958

Analysis Batch: 94066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50184-1	Backfill Material	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50184-1	Backfill Material	Soluble	Solid	DI Leach	
MB 880-93981/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93981/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93981/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 93981 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50185-A-8-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-50185-A-8-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 93987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50184-1	Backfill Material	Soluble	Solid	300.0	93981
MB 880-93981/1-A	Method Blank	Soluble	Solid	300.0	93981
LCS 880-93981/2-A	Lab Control Sample	Soluble	Solid	300.0	93981
LCSD 880-93981/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93981
880-50185-A-8-C MS	Matrix Spike	Soluble	Solid	300.0	93981
880-50185-A-8-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	93981

Lab Chronicle

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

Client Sample ID: Backfill Material

Date Collected: 10/23/24 00:00
Date Received: 10/24/24 09:11

Lab Sample ID: 880-50184-1

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			5.02 g	5 mL	93988	10/24/24 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93983	10/24/24 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94068	10/24/24 18:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			94066	10/24/24 18:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93958	10/23/24 15:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93976	10/24/24 18:09	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93981	10/24/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93987	10/24/24 10:49	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

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	06-30-25

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

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: Carmona Resources
Project/Site: Salado 24 CTB Water Loop Line

Job ID: 880-50184-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-50184-1	Backfill Material	Solid	10/23/24 00:00	10/24/24 09:11

Released to Imaging: 1/24/2025 3:21:57 PM
Received by OCD: 11/7/2024 11:03:04 AM

Chain of Custody

Wo

880-50184 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	SALADO 24 CTB WATER LOOP LINE	Turn Around	
Project Number:	2384	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date:	24 Hour
Sampler's Name:	CMM	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.4
Total Containers:		Corrected Temperature:	1.3

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	HOLD	Sample Comments
Backfill Material	10/23/2024		X		Comp	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/24/24 911	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50184-1
SDG Number: Lea County, NM

Login Number: 50184
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

APPENDIX F

CARMONA RESOURCES

Tracking Number(s): nAPP2209746512
Closure Report
Produced Water Release
Salado Draw Water Loop Line
Lea County, New Mexico

Latitude: N 32.02301928°
Longitude: W -103.62820115°

LAI Project No. 22-0105-07

January 11, 2024

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

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

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

Robert Nelson
Project Manager

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Table of Contents

1.0 INTRODUCTION 1
1.1 Background 1
1.2 Physical Setting 1
1.3 Remediation Standards 1
2.0 DELINEATION 2
3.0 REMEDIATION 2
4.0 DEFERRAL REQUEST 3

Tables

Table 1 Delineation Soil Sample Analytical Data Summary
Table 2 Confirmation Soil Sample Analytical Data Summary

Figures

Figure 1 Topographic Map
Figure 2 Aerial Map Showing Sample Locations
Figure 3 Aerial Map Showing Soil Boring Location
Figure 4 Aerial Map Showing Excavation Area, Confirmation Soil Sample Locations, and Additional Delineation Soil Sample Locations
Figure 5 Aerial Map Showing Deferral Areas

Appendices

Appendix A Chevron initial C-141
Appendix B Karst Risk Potential
Appendix C Soil Boring Log
Appendix D NMOCD Communications
Appendix E Laboratory Reports
Appendix F Photographs

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (NMOCD) District I for a produced water release at the Salado Draw Water Loop Line (Site) located in Unit O (SW/4 of SE/4), Section 24, Township 26 South, Range 32 East in Lea County, New Mexico. The geodetic position is North 32.02301928° and West -103.62820115°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on March 29, 2022, due to failure on an underground transition piece. Chevron reported that 65.187 barrels (bbls) of produced water was released with none recovered. The affected area measured approximately 5,613 square feet. The initial C-141 was submitted to NMOCD District I on April 7, 2022. The release was assigned incident number nAPP2209746512. Appendix A presents the Chevron spill calculation and spill map.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,138 feet above mean sea level (MSL).
- The surface elevation gradually decreases to the southeast.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as “Medium Risk” potential.
- The geology consists of the Quaternary age- sand and silt in sheets and locally includes cover sand (USGS).
- The soils are designated as Pyote soils and Dune land, consisting of 0 to 30 inches fine sand, underlain by 30 to 60 inches of fine sandy loam.
- Groundwater occurs at a depth greater than 101.5 feet below ground surface (bgs) based on depth to groundwater measurements taken 72 hours after installing a boring (SB-1) on April 14, 2020, approximately 0.40 miles or 2,154 feet northwest from the Site.

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

1.3 Remediation Standards

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

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 2,500 mg/Kg
- Chloride 20,000 mg/Kg

2.0 DELINEATION

The release was fully delineated between April 20, 2022 and June 29, 2022. The delineation was reported to the NMOCD in the document titled "Tracking Number: nAPP2209746512, Delineation Report and Remediation Plan, Salado Draw Water Loop Line Produced Water Release, Lea County, New Mexico, July 28, 2022" and recommended the following remediation:

- Excavate soil from an area measuring approximately 210 square feet encompassing S-2 to a depth of 1-foot bgs.
- Excavate soil from an area measuring approximately 1,599 square feet encompassing S-3, S-4, S-5, S-10, and S-11 to a depth of 1.5 feet bgs.
- Excavate soil from an area measuring approximately 4,448 square feet encompassing S-16, S-17, S-18, and S-19 to a depth of 4.1 feet bgs.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH and chloride.
- Backfill excavation with clean topsoil within the pipeline right of way assuming achievement of NMOCD remediation levels.
- Prepare report with photographs for submittal to NMOCD District I.

NMOCD approved the remediation plan on August 3, 2022. Table 1 presents the delineation soil sample analytical data summary. Appendix D presents the NMOCD communications.

3.0 REMEDIATION

During July and August 2023, Warrior Technologies, LLC (Warrior), under supervision from LAI personnel, used a hydrovac to remove soil around the aboveground riser and underground flow lines. Soil was excavated to a depth of 4.1 feet bgs encompassing sample locations S-16, S-17, S-18, and S-19. During the same time frame (July and August 2023), SDR Enterprises (SDR) under supervision from LAI personnel, mechanically excavated soil from the aera encompassing sample location S-2 to a depth of 1-foot bgs, sample locations S-3, S-4, S-5, S-10, and S-11 to a depth of 1.5 feet bgs, and S-16, S-17, S-18, and S-19 to a depth of 4.1 feet bgs. Excavated soil was stockpiled on a liner on the adjacent well pad south of the excavation area. Hydrovac media (i.e., soil, water, rock) and mechanically excavated soil was hauled to the Milestone Environmental Services Disposal Facility northeast of Orla, Texas.

On August 10, 15, and 23, 2023, LAI personnel collected thirty- three (33) bottom and sidewall composite confirmation soil samples from within the excavated areas. The soil samples were delivered under chain of custody and preservation to the Eurofins-Xenco Laboratories (Xenco) in Midland, Texas. The laboratory analyzed all the confirmation soil samples for BTEX, TPH, and chloride by EPA SW-846 Methods 8021B, 8015M, and EPA Method 300.0E, respectively.

Benzene, BTEX, and TPH reported below the analytical method reporting limit (RL) in all confirmation soil samples. Chloride reported above the NMOCD closure criteria of 600 mg/kg in the following samples:

Sample ID	Location	Depth	Chloride Concentration (mg/kg)
C-18	Sidewall	0 – 4.1	2,350
C-20	Sidewall	0 – 4.1	813
C-32	Sidewall	0 – 4.1	4,290
C-33	Sidewall	0 – 4.1	788

On September 19, 2023, LAI personnel collected six (6) additional horizontal delineation soil samples (S-20 through S-25) approximately five (5) and ten (10) feet south of sidewall sample locations C-20, C-32, and C-33. Soil samples were collected at a depth of 0 – 1-foot bgs and 1 – 2 feet bgs. Laboratory analysis of these additional delineation soil samples reported benzene, BTEX, TPH, and chloride below the NMOCD delineation and closure requirements. Figure 4 presents an aerial map showing the excavation areas, confirmation soil sample locations, and additional delineation soil sample locations.

On November 9, 2023, Warrior excavated an additional one (1) foot of soil encompassing sample location C-18. Subsequent laboratory analysis reported benzene, BTEX, TPH, and chloride concentrations below the NMOCD closure criteria. On December 4, 2023, SDR backfilled the excavation with clean topsoil within the Right-of-Way (ROW). LAI personnel collected three (3) composite samples of topsoil (BF-1 through BF-3) from a nearby borrow pit. Xenco analyzed the backfill samples for BTEX, TPH, and chloride, Benzene, BTEX, and TPH were below the analytical method RL and chloride was less than 600 mg/Kg. On January 10, 2024, LAI personnel seeded the backfilled area within the pipeline ROW with BLM Mix #2. Table 2 presents the confirmation and backfill sample analytical data summary. Appendix E presents the laboratory reports. Appendix F presents the photographic documentation.

4.0 DEFERRAL REQUEST

Chevron requests deferral for chloride at sample locations C-20 (813 mg/Kg), C-32 (4,290 mg/Kg), and C-33 (788 mg/Kg). These sample locations are located adjacent to an above ground pipeline and high traffic lease road that provides access to drilling and production operations. Figure 5 presents an aerial map depicting the deferral areas.

Tables

Table 1
Delineation Soil Sample Analytical Data Summary
Salado Draw Water Loop Line
Lea County, New Mexico
32° 01' 21.38" North, 103° 37' 40.94" West

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100/2,500**	**600/20,000**
S-1	0.5	4/20/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	32.7
	1	4/20/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	13.4
S-2	0.5	4/20/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	**887**
	1	4/20/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	471
S-3	0.5	4/20/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**5,020**
	1	4/20/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	**4,340**
	1	6/29/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	59.0
	3	6/29/2022	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	71.8
	5	6/29/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	13.6
	10	6/29/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	21.4
S-4	0.5	4/20/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**6,000**
	1	4/20/2022	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	**4,650**
	1	6/29/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	27.7
	3	6/29/2022	In-Situ	<0.00198	<0.00398	<49.9	<49.9	<49.9	<49.9	15.2
	5	6/29/2022	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	19.3
	10	6/29/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	5.94
S-5	0.5	4/20/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	350
	1	4/20/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	15.9
S-6	0.5	4/20/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	15.9
	1	4/20/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	13.7
S-7	0.5	4/20/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	9.71

Table 1
Delineation Soil Sample Analytical Data Summary
Salado Draw Water Loop Line
Lea County, New Mexico
32° 01' 21.38" North, 103° 37' 40.94" West

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100/2,500**	**600/20,000**
	1	4/20/2022	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	8.10
S-8	0.5	4/20/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	**3,320**
	1	4/20/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**4,970**
	1	6/29/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	13.1
	3	6/29/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	22.8
	5	6/29/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	13.3
	10	6/29/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	5.99
S-9	0.5	4/20/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	15.6
	1	4/20/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<5.00
S-10	0.5	4/20/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	**2,730**
	1	4/20/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**3,340**
	1	6/29/2022	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	104
	3	6/29/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	19.1
	5	6/29/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	14.9
	10	6/29/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	7.24
S-11	0.5	4/20/2022	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	**3,580**
	1	4/20/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	**4,290**
	1	6/29/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	181
	3	6/29/2022	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	6.51
	5	6/29/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	5.40
	10	6/29/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	13,600
S-12	0.5	4/20/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	54.9

Table 1
Delineation Soil Sample Analytical Data Summary
Salado Draw Water Loop Line
Lea County, New Mexico
32° 01' 21.38" North, 103° 37' 40.94" West

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100/2,500**	**600/20,000**
	1	4/20/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	27.6
S-13	0.5	4/20/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	22.0
	1	4/20/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<4.99
S-14	0.5	4/20/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<5.00
	1	4/20/2022	In-Situ	<0.000199	<0.00398	<50.0	<50.0	<50.0	<50.0	<4.95
S-15	0.5	4/20/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	6.70
	1	4/20/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<4.99
S-16	1	6/29/2022	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.98	80.6
	3	6/29/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	**4,780**
	5	6/29/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	52.6	52.6	3,670
	10	6/29/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	3,650
S-17	1	6/19/2022	In-Situ	<0.00198	<0.00396	84.1	<50.0	<50.0	<50.0	**5,670**
	3	6/29/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**2,070**
	5	6/29/2022	In-Situ	<0.00198	<0.00397	57.2	<49.9	<49.9	57.2	4,970
	10	6/29/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	9,270
S-18	1	6/29/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**3,850**
	3	6/29/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	**9,320**
	5	6/29/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	5,320
	10	6/29/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	28.4
S-19	1	6/29/2022	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	28.3

Table 1

Delineation Soil Sample Analytical Data Summary

Salado Draw Water Loop Line

Lea County, New Mexico

32° 01' 21.38" North, 103° 37' 40.94" West

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100/2,500**	**600/20,000**
	3	6/29/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	**6,300**
	5	6/29/2022	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	13,100
	10	6/29/2022	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	3,090
S-20	0 - 1	9/13/2023	In-Situ	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	76.8
	1 - 2	9/13/2023	In-Situ	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	208
S-21	0 - 1	9/13/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	170
	1 - 2	9/13/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	112
S-22	0 - 1	9/13/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	118
	1 - 2	9/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	99.7
S-23	0 - 1	9/13/2023	In-Situ	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	198
	1 - 2	9/13/2023	In-Situ	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	162
S-24	0 - 1	9/13/2023	In-Situ	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4	139
	1 - 2	9/13/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	145
S-25	0 - 1	9/13/2023	In-Situ	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	156
	1 - 2	9/13/2023	In-Situ	<0.00200	<0.00400	<50.3	<50.3	<50.3	<50.3	143

Notes: Analysis performed by Xenco Laboratories (Xenco) in Midland, Texas by EPA SW-846 8021B (BTEX), 8015M (TPH), and 300E (Chloride)
Depth in feet below ground surface (bgs)
mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)
<: denotes concentration less than analytical method reporting limit
Bold and Highlighted exceeds OCD remediation action limits

Table 2
Confirmation Soil Sample Analytical Data Summary
Salado Draw Water Loop Line
Lea County, New Mexico
32° 01' 21.38"N, 103° 37' 40.94"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					*10*	*50*				*100/2,500*	*600/20,000*
C-1	Bottom	1	08/10/2023	In-Situ	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	62.6
C-2	Sidewall	0-1	08/10/2023	In-Situ	<0.00198	<0.0396	<49.5	<49.5	<49.5	<49.5	54.0
C-3	Bottom	1.5	08/10/2023	In-Situ	<0.00201	<0.00402	<49.5	<49.5	<49.5	<49.5	56.0
C-4	Bottom	1.5	08/10/2023	In-Situ	<0.00202	<0.00404	<50.3	<50.3	<50.3	<50.3	43.9
C-5	Bottom	1.5	08/10/2023	In-Situ	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	74.4
C-6	Bottom	1.5	08/10/2023	In-Situ	<0.00198	<0.0396	<50.1	<50.1	<50.1	<50.1	67.2
C-7	Bottom	1.5	08/10/2023	In-Situ	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	64.3
C-8	Bottom	1.5	08/10/2023	In-Situ	<0.00200	<0.00400	<50.1	<50.1	<50.1	<50.1	62.7
C-9	Bottom	1.5	08/10/2023	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	68.2
C-10	Sidewall	0-1.5	08/10/2023	In-Situ	<0.00202	<0.00403	<49.6	<49.6	<49.6	<49.6	83.6
C-11	Sidewall	0-1.5	08/10/2023	In-Situ	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	79.6
C-12	Sidewall	0-1.5	08/10/2023	In-Situ	<0.00202	<0.00403	<50.5	<50.5	<50.5	<50.5	84.0
C-13	Bottom	4.1	08/15/2023	In-Situ	<0.00200	<0.00400	<50.5	<50.5	<50.5	<50.5	13,700
C-14	Bottom	4.1	08/15/2023	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	398
C-15	Bottom	4.1	08/15/2023	In-Situ	<0.00202	<0.00403	<50.5	<50.5	<50.5	<50.5	387
C-16	Bottom	4.1	08/15/2023	In-Situ	<0.00202	<0.00404	<50.4	<50.4	<50.4	<50.4	723
C-17	Bottom	4.1	08/15/2023	In-Situ	<0.00200	<0.00401	<50.2	<50.2	<50.2	<50.2	334
C-18	Sidewall	0 - 4.1	08/15/2023	Excavated	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	**2,350**
			11/13/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	71.9
C-19	Sidewall	0 - 4.1	08/15/2023	In-Situ	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	422
C-20	Sidewall	0 - 4.1	08/15/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**813**
C-21	Bottom	4.1	08/23/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	238
C-22	Bottom	4.1	08/23/2023	In-Situ	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	131
C-23	Bottom	4.1	08/23/2023	In-Situ	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	116
C-24	Bottom	4.1	08/23/2023	In-Situ	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	108
C-25	Bottom	4.1	08/23/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	247
C-26	Sidewall	0 - 4.1	08/23/2023	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	164

Table 2
Confirmation Soil Sample Analytical Data Summary
Salado Draw Water Loop Line
Lea County, New Mexico
32° 01' 21.38"N, 103° 37' 40.94"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					***10***	***50***				***100/2,500***	***600/20,000***
C-27	Sidewall	0 - 4.1	08/23/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	87.8
C-28	Bottom	4.1	08/23/2023	In-Situ	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	538
C-29	Bottom	4.1	08/23/2023	In-Situ	<0.00202	<0.00404	<50.5	<50.5	<50.5	<50.5	3,150
C-30	Bottom	4.1	08/23/2023	In-Situ	<0.00200	<0.00401	<50.2	<50.2	<50.2	<50.2	1,780
C-31	Bottom	4.1	08/23/2023	In-Situ	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	166
C-32	Sidewall	0 - 4.1	08/23/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	**4,290**
C-33	Sidewall	0 - 4.1	08/23/2023	In-Situ	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	**788**
BF-1	--	--	11/01/2023	In-Situ	<0.00198	<0.00397	<50.5	<50.5	<50.5	<50.5	51.2
BF-2	--	--	11/01/2023	In-Situ	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	46.1
BF-3	--	--	11/01/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	42.9

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)
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

Page 132 of 466

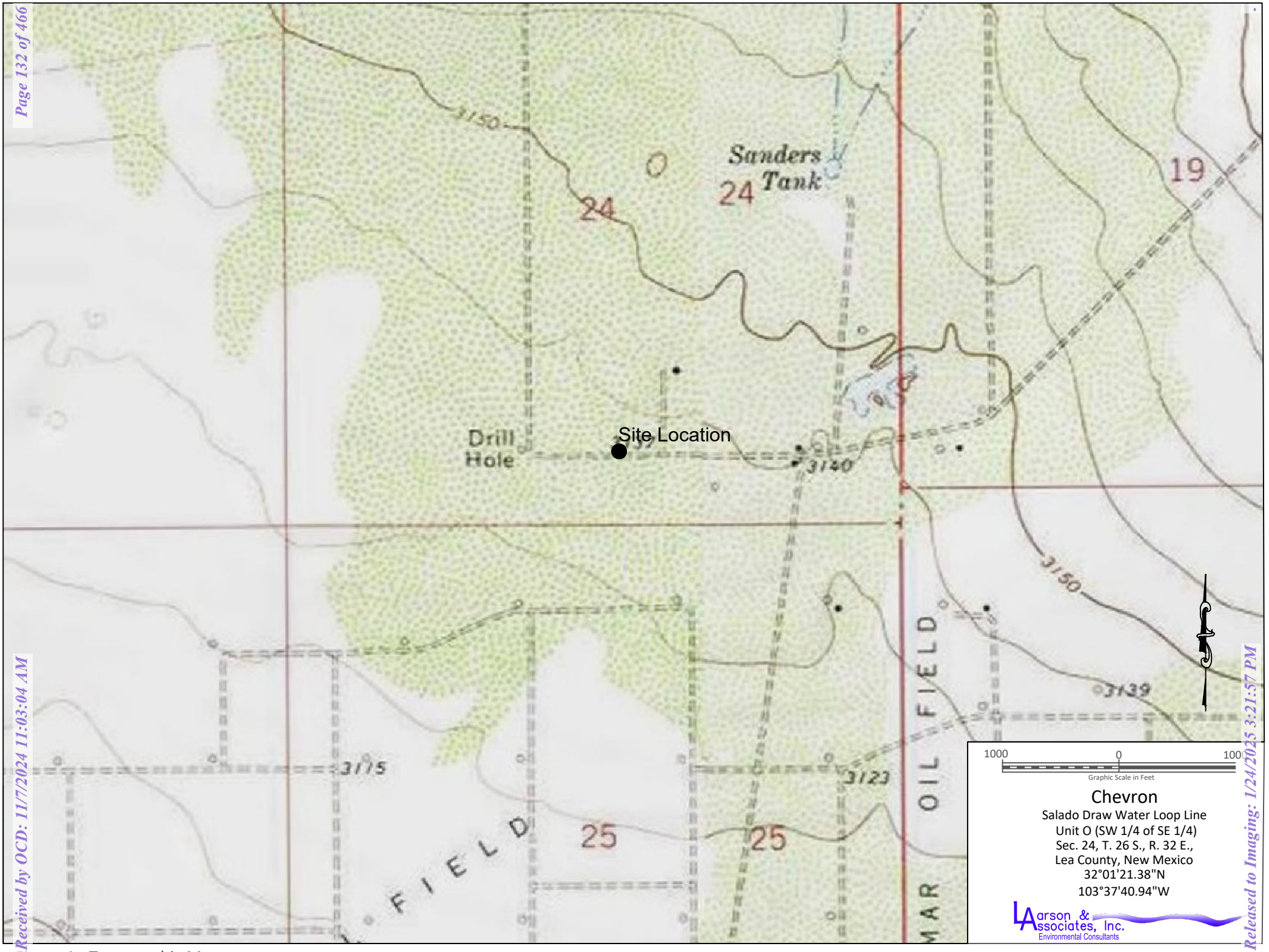
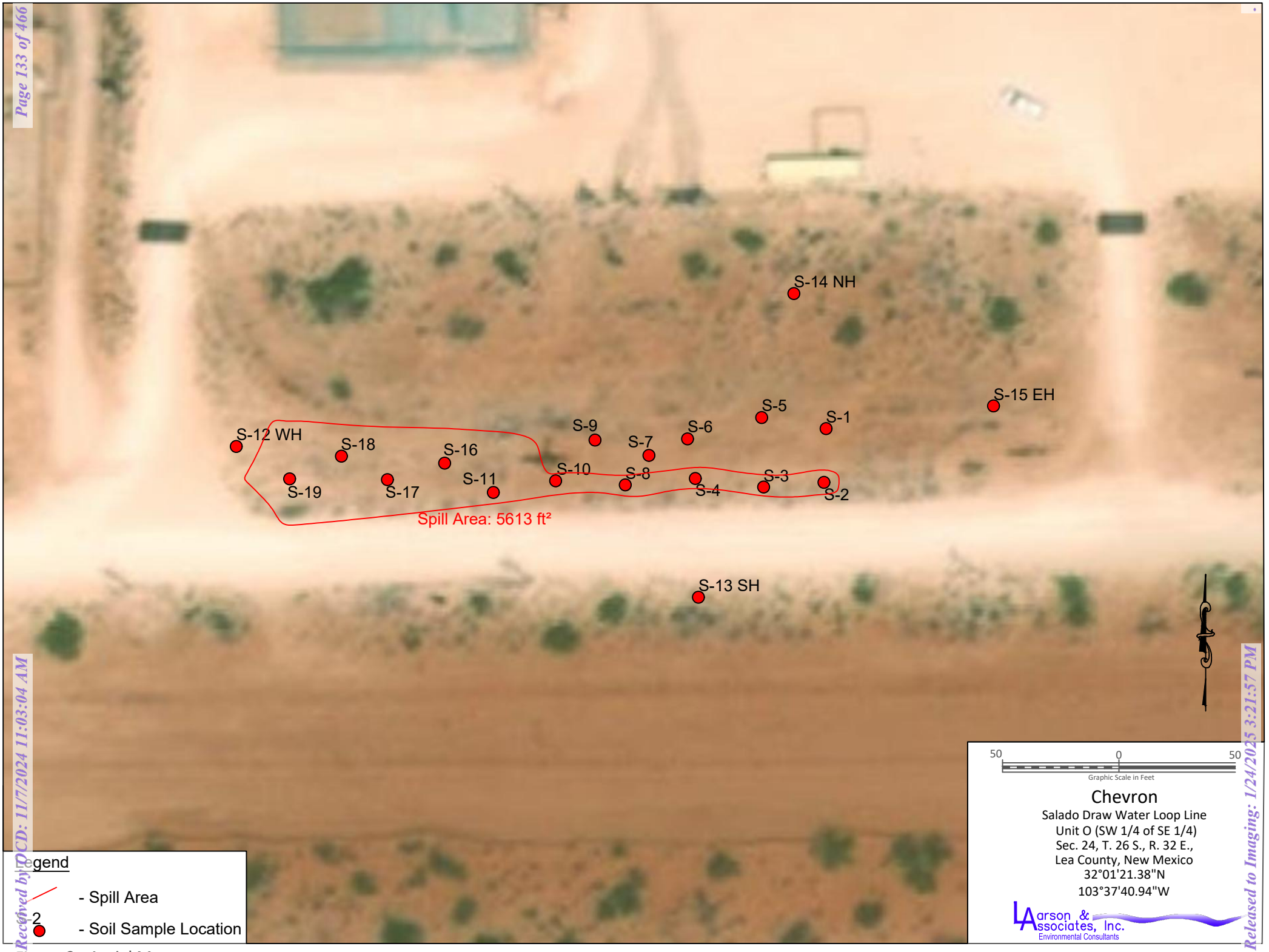


Figure 1 - Topographic Map

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Released to Imaging: 1/24/2025 3:21:57 PM

Page 133 of 466



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Figure 2 - Aerial Map

Page 134 of 466



Figure 3 - Aerial Map Showing Soil Boring Location

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Released to Imaging: 1/24/2025 3:21:57 PM

Page 135 of 466

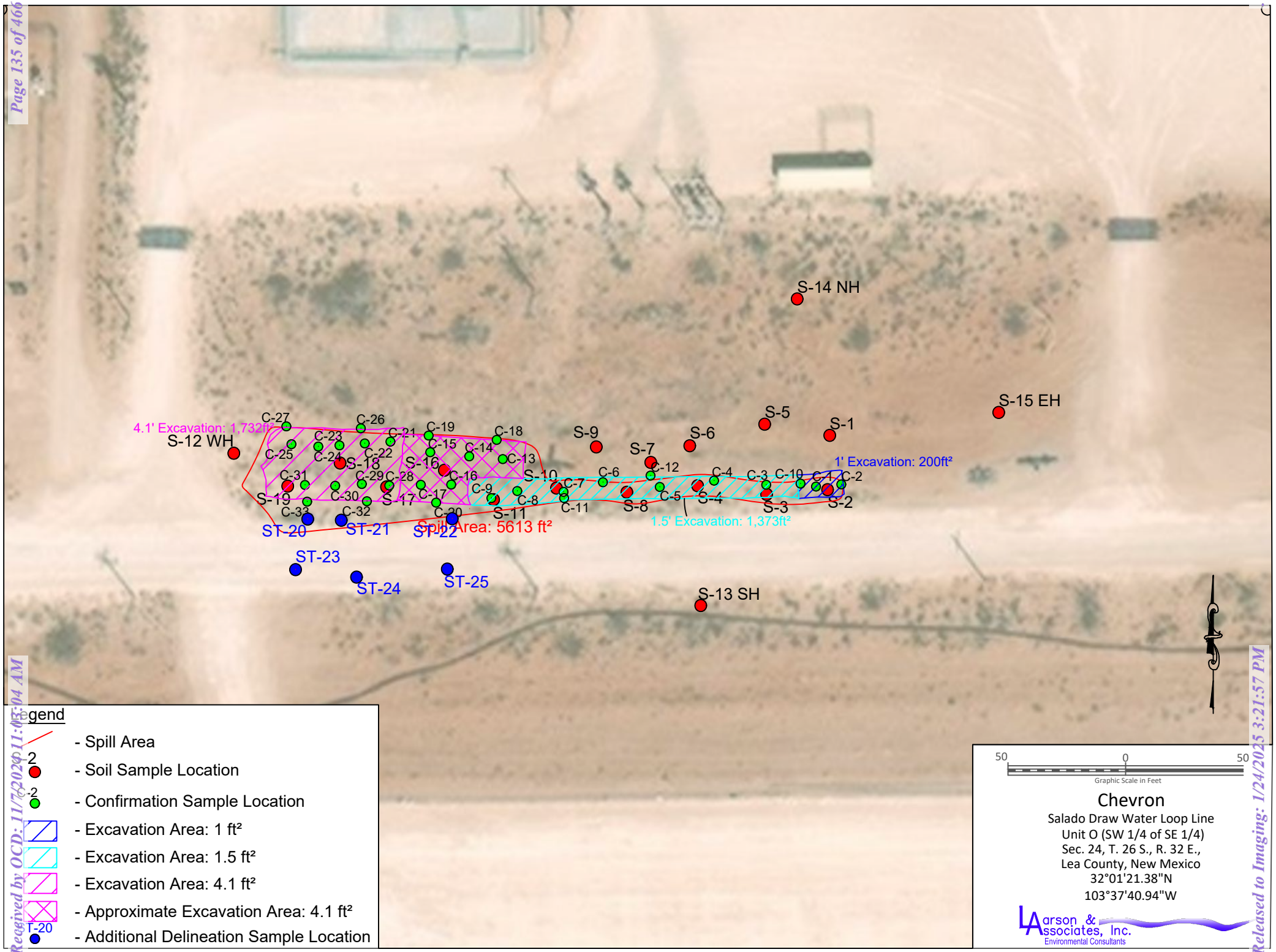


Figure 4 - Aerial Map Showing Excavation Areas, Confirmation Soil Sample Locations and Additional Delineation Soil Sample Locations

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Page 136 of 466

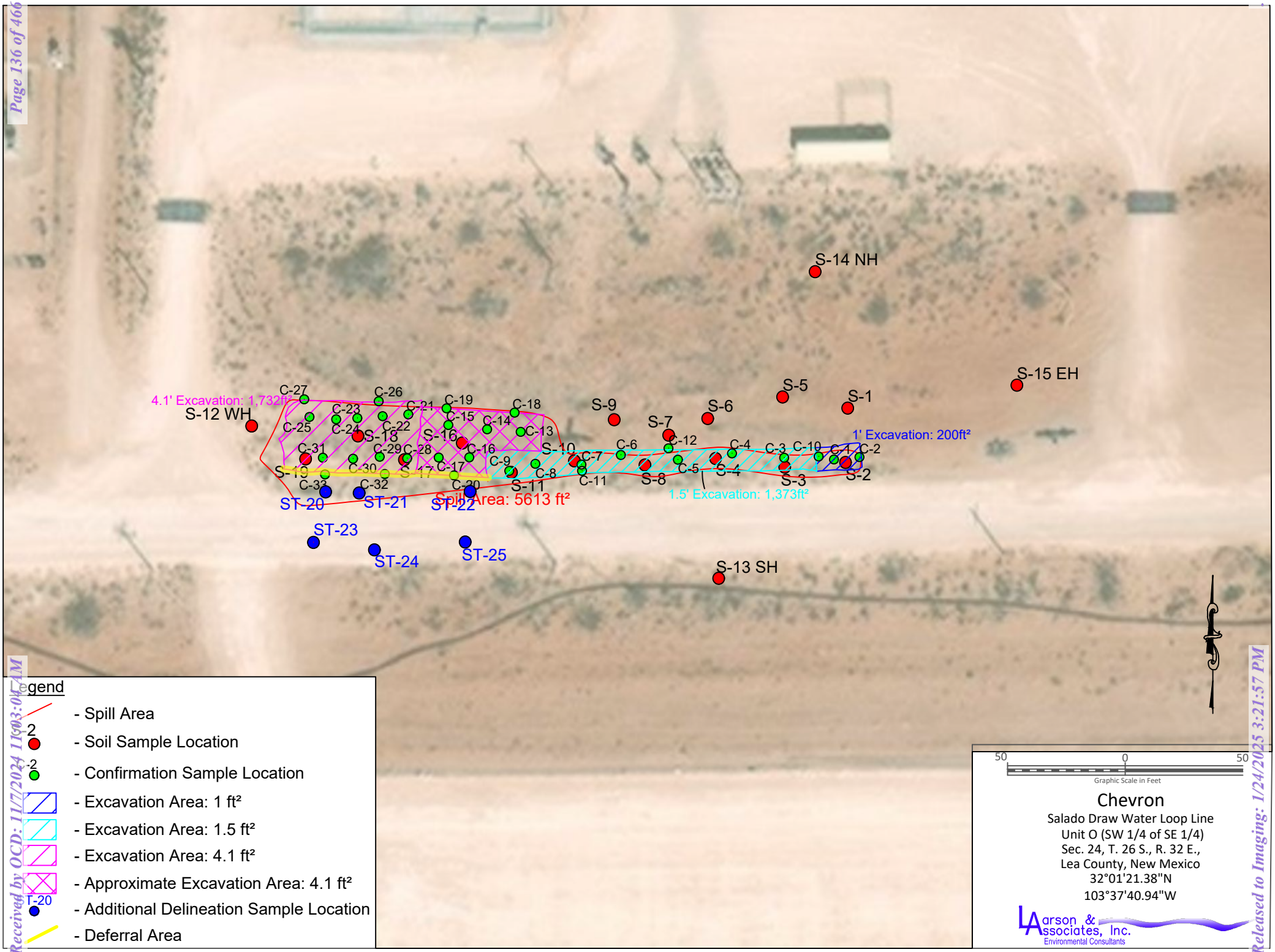


Figure 5 - Aerial Map Showing Defferal Area

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Appendix A

Chevron Initial C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2209746512
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.02301928 Longitude -103.62820115
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Salado Draw 24 CTB	Site Type: Oil
Date Release Discovered: 3-29-22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	24	26S	32E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 65.187	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Unknown failure on underground transition piece.		

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2209746512
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Over 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Amy Barnhill emailed Mike Bratcher on 3-29-22 at 12:45 pm	

Initial Response

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Amy Barnhill Title: Water Specialist

Signature: Amy Barnhill Date: 4-7-22

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Date:

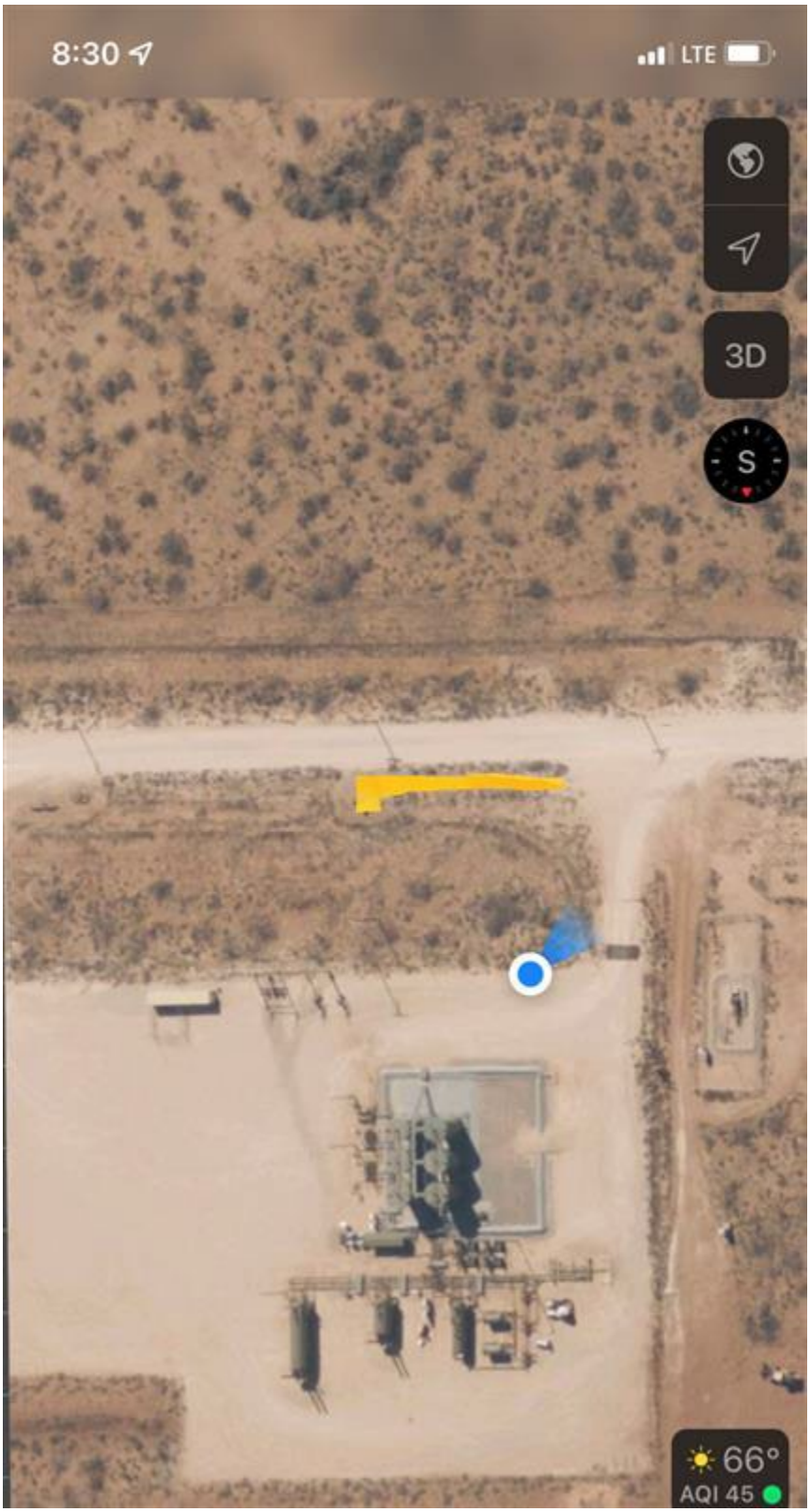
Incident ID	nAPP2209746512
District RP	
Facility ID	
Application ID	

Spill Calculations:

Area 1
Shape: Rectangle
Secondary Containment?: No
Standing Liquid Dimensions: 96 ft x 10 ft x 3
Total Volume: 55.569 bbl
Water Cut: 100 %
Oil Volume:.000 bbl
Penetration Depth: 6 in
Fluid to Soil Volume: 12.824 bbl
Water Volume: 55.569 bbl

Area 2
Shape:Rectangle
Secondary Containment?: No
Standing Liquid Dimensions: 24 ft x 15 ft x in
Total Volume: 9.618 bbl
Water Cut: 100%
Oil Volume: .000 bbl
Penetration Depth: 12 in
Volume to Soil Volume: 9.618 bbl
Water Volume: 9.618 bbl

Incident ID	nAPP2209746512
District RP	
Facility ID	
Application ID	



Appendix B

Karst Risk Potential


Medium
Salado Draw Water Loop Line

Appendix C

Soil Boring Log

BORING RECORD

Start: 10:35 MDT
Finish: 15:15

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS
	0–5	Silty Sand, 5YR 5/4, Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted, Dry	ML
	5–25	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted, Dry	Caliche
	25–30	Silty Sand, 5YR 5/4, Reddish Brown, Fine Grained Quartz Sand with Caliche Clasts (~10mm), Poorly Sorted	ML
	30–39	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted with Subangular Clasts (~10mm)	Caliche
	39–60	Silty Sand, 5YR 6/4, Light Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted with Subangular Caliche Clasts (~10mm)	ML

GRAPHIC LOG

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

SAMPLE

NUMBER	PID READING	RECOVERY	DEPTH
1			5–7
2			25
3			30
4			39

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

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

JOB NUMBER : Chevron/ 19-0180-01
HOLE DIAMETER : 2"
LOCATION : Salado Draw 24 CTB 32.0250583°, -103.6342389°
LAI GEOLOGIST : E. Chavez
DRILLING CONTRACTOR : Scarborough
DRILLING METHOD : Air Rotary

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 04-14-2020

BORING NUMBER : SB-01

BORING RECORD

Start: 10:35 MDT
Finish: 15:15

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING PPM X (2 4 6 8 10 12 14 16 18)	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING
	65	Silty Sand, 5YR 5/6, Yellowish Red, Very Fine Grained, Poorly Sorted with Subangular Caliche and Black Chert Clasts (~0.5mm)	ML			5			66	SOIL : PPM SOIL : PPM
	70								70	
	75								75	
	80								80	
	85								85	
	90	Silty Sand, 5YR 4/6, Yellowish Red, Fine Grained, Poorly Sorted with Subangular Caliche (~2mm)	ML						90	
	95								95	
	100	TD:101.5' *Dry After 72 Hours*				6			100 101.5	
	105								105	

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

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 04-14-2020
BORING NUMBER : SB-01

JOB NUMBER : Chevron/ 19-0180-01
HOLE DIAMETER : 2"
LOCATION : Salado Draw 24 CTB 32.0250583°, -103.6342389°
LAI GEOLOGIST : E. Chavez
DRILLING CONTRACTOR : Scarborough
DRILLING METHOD : Air Rotary

Appendix D

Soil Boring Log

From: Barnhill, Amy D.
To: Robert Nelson
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 129989
Date: Thursday, August 4, 2022 8:02:57 AM

SD CTB 24 Water Loop Line

Thank you,
Amy

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, August 3, 2022 2:34 PM
To: Barnhill, Amy D. <ABarnhill@chevron.com>
Subject: [**EXTERNAL**] The Oil Conservation Division (OCD) has approved the application, Application ID: 129989

To whom it may concern (c/o Amy Barnhill for CHEVRON U S A INC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2209746512, with the following conditions:

- **Remediation Plan Approved.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-470-3407
Jennifer.Nobui@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: Robert Nelson
To: Hamlet, Robert, EMNRD; Velez, Nelson, EMNRD
Cc: Barnhill, Amy D.; Mark Larson
Subject: Salado Draw Water Loop Line (nAPP2209746512) Excavation Backfill Notification
Date: Tuesday, November 21, 2023 10:18:00 AM
Attachments: image001.png
Figure 4 - Aerial Map SHowing Excavation Areas Extended SW.pdf
Table 2 Confirmation Sample Analytical Summary SD Water Loop Line.pdf

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Hello Mr. Hamlet and Mr. Velez

Larson & Associates, Inc. (LAI), on behalf of Chevron USA, submits the attached confirmation (post remediation) laboratory analytical data and sample location map to the New Mexico Oil Conservation Division (OCD) District I to provide two (2) business days notification prior to backfilling the excavation at the Salado Draw Water Loop Line (nAPP2209746512) in Lea County, New Mexico. A deferral for sidewall samples C-20, C-32, and C-33 has been requested based on proximity to an above ground pipeline and high traffic lease road that provides access to drilling and production operations. Please feel free to contact Amy Barnhill with Chevron at (432) 687-7108 or ABarnhill@chevron.com, Mark Larson (432) 556-8656 or mark@laenvironmental.com, or me with any questions or concerns.

Thank you,

Robert Nelson
Project Manager
Office – 432-687-0901
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Appendix E

Laboratory Reports

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 880-13940-1
Laboratory Sample Delivery Group: 22-0105-07
Client Project/Site: Salado Draw Water Loop Line

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

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
5/4/2022 3:47:43 PM

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

LINKS

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Have a Question? Ask The Expert

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

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

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Client Sample Results 5
Surrogate Summary 28
QC Sample Results 31
QC Association Summary 40
Lab Chronicle 47
Certification Summary 57
Method Summary 58
Sample Summary 59
Chain of Custody 60
Receipt Checklists 62

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
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
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Job ID: 880-13940-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-13940-1

Receipt
The samples were received on 4/21/2022 9:08 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

GC VOA
Method 8021B: The laboratory control sample (LCS) for preparation batch 880-24317 and analytical batch 880-24740 recovered outside control limits for the following analytes: 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-24317 and analytical batch 880-24740 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-24167 and analytical batch 880-24215 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-24167/3-A). Evidence of matrix interferences is not obvious.

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

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

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-1 0.5
Date Collected: 04/20/22 12:30
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 04:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 04:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 04:27	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		04/26/22 16:00	05/03/22 04:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 04:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/26/22 16:00	05/03/22 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*04/26/22 16:00*	*05/03/22 04:27*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/26/22 16:00*	*05/03/22 04:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/25/22 21:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/25/22 21:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/25/22 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*75*		*70 - 130*	*04/22/22 16:37*	*04/25/22 21:48*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*04/22/22 16:37*	*04/25/22 21:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.7**		5.05		mg/Kg			04/27/22 22:33	1

Client Sample ID: S-1 1
Date Collected: 04/20/22 12:35
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 04:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 04:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 04:53	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/26/22 16:00	05/03/22 04:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 04:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/22 16:00	05/03/22 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*04/26/22 16:00*	*05/03/22 04:53*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/26/22 16:00*	*05/03/22 04:53*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-1 1
Date Collected: 04/20/22 12:35
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 22:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 22:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*75*		*70 - 130*	*04/22/22 16:37*	*04/25/22 22:50*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*04/22/22 16:37*	*04/25/22 22:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.4**		4.98		mg/Kg			04/27/22 23:02	1

Client Sample ID: S-2 0.5
Date Collected: 04/20/22 12:40
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/22 16:00	05/03/22 05:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/22 16:00	05/03/22 05:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/22 16:00	05/03/22 05:19	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		04/26/22 16:00	05/03/22 05:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/22 16:00	05/03/22 05:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/22 16:00	05/03/22 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*04/26/22 16:00*	*05/03/22 05:19*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/26/22 16:00*	*05/03/22 05:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 23:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 23:10	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-2 0.5 — Lab Sample ID: 880-13940-3

Date Collected: 04/20/22 12:40 **Matrix: Solid**
Date Received: 04/21/22 09:08

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*04/22/22 16:37*	*04/25/22 23:10*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*04/22/22 16:37*	*04/25/22 23:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**887**		5.02		mg/Kg			04/27/22 23:11	1

Client Sample ID: S-2 1 — Lab Sample ID: 880-13940-4

Date Collected: 04/20/22 12:45 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/22 16:00	05/03/22 05:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/22 16:00	05/03/22 05:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/22 16:00	05/03/22 05:44	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/26/22 16:00	05/03/22 05:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/22 16:00	05/03/22 05:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/22 16:00	05/03/22 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*04/26/22 16:00*	*05/03/22 05:44*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/26/22 16:00*	*05/03/22 05:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 23:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 23:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*77*		*70 - 130*	*04/22/22 16:37*	*04/25/22 23:31*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*04/22/22 16:37*	*04/25/22 23:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**471**		4.98		mg/Kg			04/27/22 23:40	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-3 0.5 Lab Sample ID: 880-13940-5

Date Collected: 04/20/22 12:50 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/22 16:00	05/03/22 06:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/22 16:00	05/03/22 06:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/22 16:00	05/03/22 06:10	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/26/22 16:00	05/03/22 06:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/22 16:00	05/03/22 06:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/22 16:00	05/03/22 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*04/26/22 16:00*	*05/03/22 06:10*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/26/22 16:00*	*05/03/22 06:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/25/22 23:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/25/22 23:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/25/22 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*77*		*70 - 130*	*04/22/22 16:37*	*04/25/22 23:51*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*04/22/22 16:37*	*04/25/22 23:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5020**		24.8		mg/Kg			04/27/22 23:50	5

Client Sample ID: S-3 1 Lab Sample ID: 880-13940-6

Date Collected: 04/20/22 12:55 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 07:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 07:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 07:58	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/26/22 16:00	05/03/22 07:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 07:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/22 16:00	05/03/22 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/26/22 16:00*	*05/03/22 07:58*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/26/22 16:00*	*05/03/22 07:58*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-3 1 Lab Sample ID: 880-13940-6

Date Collected: 04/20/22 12:55 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 00:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 00:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*04/22/22 16:37*	*04/26/22 00:11*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*04/22/22 16:37*	*04/26/22 00:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4340**		24.9		mg/Kg			04/28/22 00:00	5

Client Sample ID: S-4 0.5 Lab Sample ID: 880-13940-7

Date Collected: 04/20/22 13:00 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 08:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 08:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 08:25	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/26/22 16:00	05/03/22 08:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 08:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/22 16:00	05/03/22 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/26/22 16:00*	*05/03/22 08:25*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/26/22 16:00*	*05/03/22 08:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 00:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 00:31	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-4 0.5

Date Collected: 04/20/22 13:00
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*04/22/22 16:37*	*04/26/22 00:31*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*04/22/22 16:37*	*04/26/22 00:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6000**		49.7		mg/Kg			04/28/22 00:09	10

Client Sample ID: S-4 1

Date Collected: 04/20/22 13:05
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 08:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 08:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 08:52	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/26/22 16:00	05/03/22 08:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 08:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/22 16:00	05/03/22 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/26/22 16:00*	*05/03/22 08:52*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/26/22 16:00*	*05/03/22 08:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 00:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 00:52	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*81*		*70 - 130*	*04/22/22 16:37*	*04/26/22 00:52*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*04/22/22 16:37*	*04/26/22 00:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4650**		24.8		mg/Kg			04/28/22 00:19	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-5 0.5

Date Collected: 04/20/22 13:10
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-9

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 09:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 09:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 09:19	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/26/22 16:00	05/03/22 09:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 09:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/22 16:00	05/03/22 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/26/22 16:00*	*05/03/22 09:19*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/26/22 16:00*	*05/03/22 09:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 01:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 01:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*04/22/22 16:37*	*04/26/22 01:12*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*04/22/22 16:37*	*04/26/22 01:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**350**		5.04		mg/Kg			04/28/22 00:28	1

Client Sample ID: S-5 1

Date Collected: 04/20/22 13:15
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-10

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 09:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 09:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 09:45	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/26/22 16:00	05/03/22 09:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 09:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/22 16:00	05/03/22 09:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*04/26/22 16:00*	*05/03/22 09:45*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/26/22 16:00*	*05/03/22 09:45*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-5 1
Date Collected: 04/20/22 13:15
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-10
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 01:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 01:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*04/22/22 16:37*	*04/26/22 01:33*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*04/22/22 16:37*	*04/26/22 01:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.9**		4.98		mg/Kg			04/28/22 00:38	1

Client Sample ID: S-6 0.5
Date Collected: 04/20/22 13:20
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-11
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/22 16:00	05/03/22 10:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/22 16:00	05/03/22 10:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/22 16:00	05/03/22 10:12	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		04/26/22 16:00	05/03/22 10:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/22 16:00	05/03/22 10:12	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/26/22 16:00	05/03/22 10:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*04/26/22 16:00*	*05/03/22 10:12*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/26/22 16:00*	*05/03/22 10:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 02:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 02:14	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-6 0.5
Lab Sample ID: 880-13940-11
Date Collected: 04/20/22 13:20 **Matrix: Solid**
Date Received: 04/21/22 09:08

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*04/22/22 16:37*	*04/26/22 02:14*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*04/22/22 16:37*	*04/26/22 02:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.9**		5.00		mg/Kg			04/28/22 09:09	1

Client Sample ID: S-6 1
Lab Sample ID: 880-13940-12
Date Collected: 04/20/22 13:25 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 10:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 10:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 10:39	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/26/22 16:00	05/03/22 10:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/22 16:00	05/03/22 10:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/22 16:00	05/03/22 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/26/22 16:00*	*05/03/22 10:39*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/26/22 16:00*	*05/03/22 10:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 02:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 02:35	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*04/22/22 16:37*	*04/26/22 02:35*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*04/22/22 16:37*	*04/26/22 02:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.7**		5.04		mg/Kg			04/28/22 09:36	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-7 0.5

Date Collected: 04/20/22 13:30
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-13

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 11:06	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/26/22 16:00	05/03/22 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 11:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/22 16:00	05/03/22 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/26/22 16:00*	*05/03/22 11:06*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/26/22 16:00*	*05/03/22 11:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 02:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 02:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*77*		*70 - 130*	*04/22/22 16:37*	*04/26/22 02:55*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*04/22/22 16:37*	*04/26/22 02:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.71**		4.98		mg/Kg			04/28/22 09:45	1

Client Sample ID: S-7 1

Date Collected: 04/20/22 13:35
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-14

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 11:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 11:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 11:32	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/26/22 16:00	05/03/22 11:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/22 16:00	05/03/22 11:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/22 16:00	05/03/22 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*04/26/22 16:00*	*05/03/22 11:32*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/26/22 16:00*	*05/03/22 11:32*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-7 1 — Lab Sample ID: 880-13940-14

Date Collected: 04/20/22 13:35 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 03:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 03:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*76*		*70 - 130*	*04/22/22 16:37*	*04/26/22 03:16*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*04/22/22 16:37*	*04/26/22 03:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.10**		5.02		mg/Kg			04/28/22 09:53	1

Client Sample ID: S-8 0.5 — Lab Sample ID: 880-13940-15

Date Collected: 04/20/22 13:40 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 11:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 11:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 11:59	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		04/26/22 16:00	05/03/22 11:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 11:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/22 16:00	05/03/22 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*04/26/22 16:00*	*05/03/22 11:59*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/26/22 16:00*	*05/03/22 11:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 03:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 03:37	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-8 0.5

Date Collected: 04/20/22 13:40
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*04/22/22 16:37*	*04/26/22 03:37*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*04/22/22 16:37*	*04/26/22 03:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3320**		24.8		mg/Kg			04/28/22 10:02	5

Client Sample ID: S-8 1

Date Collected: 04/20/22 13:45
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-16

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		04/27/22 11:38	05/04/22 05:07	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		04/27/22 11:38	05/04/22 05:07	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		04/27/22 11:38	05/04/22 05:07	1
m,p-Xylenes	<0.00398	U F2 F1	0.00398		mg/Kg		04/27/22 11:38	05/04/22 05:07	1
o-Xylene	<0.00199	U F2 F1 *+ *1	0.00199		mg/Kg		04/27/22 11:38	05/04/22 05:07	1
Xylenes, Total	<0.00398	U F1 *+	0.00398		mg/Kg		04/27/22 11:38	05/04/22 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/27/22 11:38*	*05/04/22 05:07*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/27/22 11:38*	*05/04/22 05:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 03:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 03:57	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*04/22/22 16:37*	*04/26/22 03:57*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*04/22/22 16:37*	*04/26/22 03:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4970**		49.7		mg/Kg			04/28/22 10:29	10

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-9 0.5
Lab Sample ID: 880-13940-17
Date Collected: 04/20/22 13:45
Matrix: Solid
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 05:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 05:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 05:28	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/27/22 11:38	05/04/22 05:28	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		04/27/22 11:38	05/04/22 05:28	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/27/22 11:38	05/04/22 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/27/22 11:38*	*05/04/22 05:28*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/27/22 11:38*	*05/04/22 05:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 04:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 04:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/26/22 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*04/22/22 16:37*	*04/26/22 04:17*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*04/22/22 16:37*	*04/26/22 04:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.6**		4.96		mg/Kg			04/28/22 10:38	1

Client Sample ID: S-9 1
Lab Sample ID: 880-13940-18
Date Collected: 04/20/22 13:50
Matrix: Solid
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 05:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 05:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 05:48	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/27/22 11:38	05/04/22 05:48	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		04/27/22 11:38	05/04/22 05:48	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		04/27/22 11:38	05/04/22 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/27/22 11:38*	*05/04/22 05:48*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/27/22 11:38*	*05/04/22 05:48*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-9 1
Date Collected: 04/20/22 13:50
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-18
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 04:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 04:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*75*		*70 - 130*	*04/22/22 16:37*	*04/26/22 04:38*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*04/22/22 16:37*	*04/26/22 04:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/28/22 10:47	1

Client Sample ID: S-10 0.5
Date Collected: 04/20/22 13:55
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-19
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/27/22 11:38	05/04/22 06:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/27/22 11:38	05/04/22 06:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/27/22 11:38	05/04/22 06:09	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		04/27/22 11:38	05/04/22 06:09	1
o-Xylene	<0.00202	U *+ *1	0.00202		mg/Kg		04/27/22 11:38	05/04/22 06:09	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		04/27/22 11:38	05/04/22 06:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/27/22 11:38*	*05/04/22 06:09*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/27/22 11:38*	*05/04/22 06:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 04:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 04:59	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-10 0.5 — Lab Sample ID: 880-13940-19

Date Collected: 04/20/22 13:55 **Matrix: Solid**
Date Received: 04/21/22 09:08

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*04/22/22 16:37*	*04/26/22 04:59*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*04/22/22 16:37*	*04/26/22 04:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2730**		25.0		mg/Kg			04/28/22 10:55	5

Client Sample ID: S-10 1 — Lab Sample ID: 880-13940-20

Date Collected: 04/20/22 14:00 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/27/22 11:38	05/04/22 06:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/22 11:38	05/04/22 06:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/22 11:38	05/04/22 06:29	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/27/22 11:38	05/04/22 06:29	1
o-Xylene	<0.00201	U *+ *1	0.00201		mg/Kg		04/27/22 11:38	05/04/22 06:29	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		04/27/22 11:38	05/04/22 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/27/22 11:38*	*05/04/22 06:29*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/27/22 11:38*	*05/04/22 06:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 05:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 05:19	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/22/22 16:37	04/26/22 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*04/22/22 16:37*	*04/26/22 05:19*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*04/22/22 16:37*	*04/26/22 05:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3340**		25.0		mg/Kg			04/28/22 11:04	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-11 0.5

Date Collected: 04/20/22 14:05
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-21

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/27/22 11:38	05/04/22 06:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/27/22 11:38	05/04/22 06:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/27/22 11:38	05/04/22 06:49	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/27/22 11:38	05/04/22 06:49	1
o-Xylene	<0.00202	U *+ *1	0.00202		mg/Kg		04/27/22 11:38	05/04/22 06:49	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		04/27/22 11:38	05/04/22 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/27/22 11:38*	*05/04/22 06:49*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/27/22 11:38*	*05/04/22 06:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 14:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*04/25/22 11:13*	*04/26/22 14:43*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*04/25/22 11:13*	*04/26/22 14:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3580**		24.9		mg/Kg			04/28/22 11:13	5

Client Sample ID: S-11 1

Date Collected: 04/20/22 14:10
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-22

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 07:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 07:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 07:10	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		04/27/22 11:38	05/04/22 07:10	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		04/27/22 11:38	05/04/22 07:10	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		04/27/22 11:38	05/04/22 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/27/22 11:38*	*05/04/22 07:10*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/27/22 11:38*	*05/04/22 07:10*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-11 1 — Lab Sample ID: 880-13940-22

Date Collected: 04/20/22 14:10 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 15:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 15:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*04/25/22 11:13*	*04/26/22 15:04*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*04/25/22 11:13*	*04/26/22 15:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4290**		25.0		mg/Kg			04/28/22 11:40	5

Client Sample ID: S-12 0.5 — Lab Sample ID: 880-13940-23

Date Collected: 04/20/22 14:15 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 07:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 07:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 07:30	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/27/22 11:38	05/04/22 07:30	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		04/27/22 11:38	05/04/22 07:30	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/27/22 11:38	05/04/22 07:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/27/22 11:38*	*05/04/22 07:30*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/27/22 11:38*	*05/04/22 07:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 15:45	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-12 0.5 Lab Sample ID: 880-13940-23
Date Collected: 04/20/22 14:15 **Matrix: Solid**
Date Received: 04/21/22 09:08

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*04/25/22 11:13*	*04/26/22 15:45*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*04/25/22 11:13*	*04/26/22 15:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.9**		4.95		mg/Kg			04/28/22 11:48	1

Client Sample ID: S-12 1 Lab Sample ID: 880-13940-24
Date Collected: 04/20/22 14:20 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 07:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 07:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 07:51	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/27/22 11:38	05/04/22 07:51	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		04/27/22 11:38	05/04/22 07:51	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		04/27/22 11:38	05/04/22 07:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/27/22 11:38*	*05/04/22 07:51*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/27/22 11:38*	*05/04/22 07:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 16:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 16:06	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*04/25/22 11:13*	*04/26/22 16:06*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*04/25/22 11:13*	*04/26/22 16:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.6**		5.04		mg/Kg			04/28/22 12:15	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-13 0.5
Date Collected: 04/20/22 14:25
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-25
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 08:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 08:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 08:11	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/27/22 11:38	05/04/22 08:11	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		04/27/22 11:38	05/04/22 08:11	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/27/22 11:38	05/04/22 08:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*0*	*S1-*	*70 - 130*	*04/27/22 11:38*	*05/04/22 08:11*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/27/22 11:38*	*05/04/22 08:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 16:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 16:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*77*		*70 - 130*	*04/25/22 11:13*	*04/26/22 16:27*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*04/25/22 11:13*	*04/26/22 16:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.0**		4.97		mg/Kg			04/28/22 12:24	1

Client Sample ID: S-13 1
Date Collected: 04/20/22 14:30
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-26
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 10:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 10:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 10:01	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/27/22 11:38	05/04/22 10:01	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		04/27/22 11:38	05/04/22 10:01	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		04/27/22 11:38	05/04/22 10:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/27/22 11:38*	*05/04/22 10:01*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/27/22 11:38*	*05/04/22 10:01*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-13 1

Date Collected: 04/20/22 14:30
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-26

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*04/25/22 11:13*	*04/26/22 16:48*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*04/25/22 11:13*	*04/26/22 16:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			04/28/22 12:33	1

Client Sample ID: S-14 0.5

Date Collected: 04/20/22 14:35
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-27

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/27/22 11:38	05/04/22 10:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/22 11:38	05/04/22 10:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/22 11:38	05/04/22 10:22	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/27/22 11:38	05/04/22 10:22	1
o-Xylene	<0.00201	U *+ *1	0.00201		mg/Kg		04/27/22 11:38	05/04/22 10:22	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		04/27/22 11:38	05/04/22 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/27/22 11:38*	*05/04/22 10:22*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/27/22 11:38*	*05/04/22 10:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 17:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 17:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-14 0.5 — Lab Sample ID: 880-13940-27

Date Collected: 04/20/22 14:35 **Matrix: Solid**
Date Received: 04/21/22 09:08

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*04/25/22 11:13*	*04/26/22 17:08*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*04/25/22 11:13*	*04/26/22 17:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/28/22 12:42	1

Client Sample ID: S-14 1 — Lab Sample ID: 880-13940-28

Date Collected: 04/20/22 14:40 **Matrix: Solid**
Date Received: 04/21/22 09:08

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 10:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 10:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/22 11:38	05/04/22 10:42	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/27/22 11:38	05/04/22 10:42	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		04/27/22 11:38	05/04/22 10:42	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/27/22 11:38	05/04/22 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/27/22 11:38*	*05/04/22 10:42*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/27/22 11:38*	*05/04/22 10:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 17:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 17:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*04/25/22 11:13*	*04/26/22 17:29*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*04/25/22 11:13*	*04/26/22 17:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			04/28/22 12:51	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-15 0.5

Date Collected: 04/20/22 14:45
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-29

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/27/22 11:38	05/04/22 11:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/22 11:38	05/04/22 11:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/22 11:38	05/04/22 11:02	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/27/22 11:38	05/04/22 11:02	1
o-Xylene	<0.00201	U *+ *1	0.00201		mg/Kg		04/27/22 11:38	05/04/22 11:02	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		04/27/22 11:38	05/04/22 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/27/22 11:38*	*05/04/22 11:02*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/27/22 11:38*	*05/04/22 11:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 17:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 17:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/25/22 11:13	04/26/22 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*04/25/22 11:13*	*04/26/22 17:50*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*04/25/22 11:13*	*04/26/22 17:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.70**		4.95		mg/Kg			04/28/22 12:59	1

Client Sample ID: S-15 1

Date Collected: 04/20/22 14:50
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-30

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 11:23	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/27/22 11:38	05/04/22 11:23	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		04/27/22 11:38	05/04/22 11:23	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		04/27/22 11:38	05/04/22 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/27/22 11:38*	*05/04/22 11:23*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/27/22 11:38*	*05/04/22 11:23*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-15 1

Date Collected: 04/20/22 14:50
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-30

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/03/22 08:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/22 09:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*74*		*70 - 130*	*04/25/22 11:13*	*04/26/22 18:10*	*1*
o-Terphenyl (Surr)	*81*		*70 - 130*	*04/25/22 11:13*	*04/26/22 18:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			04/28/22 13:08	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-13939-A-10-D MS	Matrix Spike	113	89
880-13939-A-10-E MSD	Matrix Spike Duplicate	129	100
880-13940-1	S-1 0.5	124	93
880-13940-2	S-1 1	128	94
880-13940-3	S-2 0.5	122	90
880-13940-4	S-2 1	128	93
880-13940-5	S-3 0.5	122	94
880-13940-6	S-3 1	118	90
880-13940-7	S-4 0.5	109	89
880-13940-8	S-4 1	114	92
880-13940-9	S-5 0.5	105	92
880-13940-10	S-5 1	126	95
880-13940-11	S-6 0.5	121	96
880-13940-12	S-6 1	116	96
880-13940-13	S-7 0.5	115	93
880-13940-14	S-7 1	129	95
880-13940-15	S-8 0.5	128	96
880-13940-16	S-8 1	108	101
880-13940-16 MS	S-8 1	107	101
880-13940-16 MSD	S-8 1	108	100
880-13940-17	S-9 0.5	101	98
880-13940-18	S-9 1	100	91
880-13940-19	S-10 0.5	109	99
880-13940-20	S-10 1	104	97
880-13940-21	S-11 0.5	109	98
880-13940-22	S-11 1	109	100
880-13940-23	S-12 0.5	105	100
880-13940-24	S-12 1	104	100
880-13940-25	S-13 0.5	0 S1-	97
880-13940-26	S-13 1	108	100
880-13940-27	S-14 0.5	105	99
880-13940-28	S-14 1	106	95
880-13940-29	S-15 0.5	103	101
880-13940-30	S-15 1	103	101
LCS 880-24269/1-A	Lab Control Sample	112	89
LCS 880-24317/1-A	Lab Control Sample	100	101
LCSD 880-24269/2-A	Lab Control Sample Dup	122	104
LCSD 880-24317/2-A	Lab Control Sample Dup	101	100
MB 880-24269/5-A	Method Blank	83	86
MB 880-24317/5-A	Method Blank	97	96
MB 880-24319/5-A	Method Blank	98	96
MB 880-24600/5-A	Method Blank	82	84

Surrogate Legend

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

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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)
880-13940-1	S-1 0.5	75	86
880-13940-1 MS	S-1 0.5	84	90
880-13940-1 MSD	S-1 0.5	93	97
880-13940-2	S-1 1	75	85
880-13940-3	S-2 0.5	83	98
880-13940-4	S-2 1	77	89
880-13940-5	S-3 0.5	77	93
880-13940-6	S-3 1	78	93
880-13940-7	S-4 0.5	79	92
880-13940-8	S-4 1	81	97
880-13940-9	S-5 0.5	90	99
880-13940-10	S-5 1	78	90
880-13940-11	S-6 0.5	89	103
880-13940-12	S-6 1	78	87
880-13940-13	S-7 0.5	77	87
880-13940-14	S-7 1	76	89
880-13940-15	S-8 0.5	80	94
880-13940-16	S-8 1	79	95
880-13940-17	S-9 0.5	78	91
880-13940-18	S-9 1	75	86
880-13940-19	S-10 0.5	78	92
880-13940-20	S-10 1	88	107
880-13940-21	S-11 0.5	78	89
880-13940-22	S-11 1	80	93
880-13940-23	S-12 0.5	89	99
880-13940-24	S-12 1	80	88
880-13940-25	S-13 0.5	77	84
880-13940-26	S-13 1	78	87
880-13940-27	S-14 0.5	89	101
880-13940-28	S-14 1	94	106
880-13940-29	S-15 0.5	78	90
880-13940-30	S-15 1	74	81
880-14014-A-41-B MS	Matrix Spike	72	79
880-14014-A-41-C MSD	Matrix Spike Duplicate	73	79

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-24069/2-A	Lab Control Sample	87	104
LCS 880-24167/2-A	Lab Control Sample	93	117
LCSD 880-24069/3-A	Lab Control Sample Dup	92	112
LCSD 880-24167/3-A	Lab Control Sample Dup	113	146 S1+
MB 880-24069/1-A	Method Blank	93	113
MB 880-24167/1-A	Method Blank	81	103

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-24269/5-A
Matrix: Solid
Analysis Batch: 24597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24269

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 01:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 01:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 01:51	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/26/22 16:00	05/03/22 01:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/22 16:00	05/03/22 01:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/22 16:00	05/03/22 01:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*04/26/22 16:00*	*05/03/22 01:51*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/26/22 16:00*	*05/03/22 01:51*	*1*

Lab Sample ID: LCS 880-24269/1-A
Matrix: Solid
Analysis Batch: 24597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24269

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07789		mg/Kg		78	70 - 130		
Toluene			0.100	0.07726		mg/Kg		77	70 - 130		
Ethylbenzene			0.100	0.08851		mg/Kg		89	70 - 130		
m,p-Xylenes			0.200	0.1804		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.09060		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-24269/2-A
Matrix: Solid
Analysis Batch: 24597

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24269

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08989		mg/Kg		90	70 - 130	14	35
Toluene			0.100	0.08360		mg/Kg		84	70 - 130	8	35
Ethylbenzene			0.100	0.09403		mg/Kg		94	70 - 130	6	35
m,p-Xylenes			0.200	0.1913		mg/Kg		96	70 - 130	6	35
o-Xylene			0.100	0.09792		mg/Kg		98	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-13939-A-10-D MS
Matrix: Solid
Analysis Batch: 24597

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 24269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.0996	0.08835		mg/Kg		89	70 - 130		
Toluene	<0.00201	U	0.0996	0.08657		mg/Kg		87	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

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

Lab Sample ID: 880-13939-A-10-D MS
Matrix: Solid
Analysis Batch: 24597

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 24269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0996	0.09855		mg/Kg		99	70 - 130
m,p-Xylenes	<0.00402	U	0.199	0.1972		mg/Kg		99	70 - 130
o-Xylene	<0.00201	U	0.0996	0.09903		mg/Kg		99	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-13939-A-10-E MSD
Matrix: Solid
Analysis Batch: 24597

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 24269

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.09587		mg/Kg		96	70 - 130	8	35
Toluene	<0.00201	U	0.0994	0.09024		mg/Kg		91	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.0994	0.1016		mg/Kg		102	70 - 130	3	35
m,p-Xylenes	<0.00402	U	0.199	0.2024		mg/Kg		102	70 - 130	3	35
o-Xylene	<0.00201	U	0.0994	0.1005		mg/Kg		101	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-24317/5-A
Matrix: Solid
Analysis Batch: 24740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24317

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 04:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 04:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 04:39	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/27/22 11:38	05/04/22 04:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:38	05/04/22 04:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/22 11:38	05/04/22 04:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/27/22 11:38*	*05/04/22 04:39*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/27/22 11:38*	*05/04/22 04:39*	*1*

Lab Sample ID: LCS 880-24317/1-A
Matrix: Solid
Analysis Batch: 24740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24317

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09483		mg/Kg		95	70 - 130
Toluene	0.100	0.1223		mg/Kg		122	70 - 130
Ethylbenzene	0.100	0.09926		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.2164		mg/Kg		108	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

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

Lab Sample ID: LCS 880-24317/1-A
Matrix: Solid
Analysis Batch: 24740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24317

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1843	*+	mg/Kg		184	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-24317/2-A
Matrix: Solid
Analysis Batch: 24740

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24317

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09095		mg/Kg		91	70 - 130	4	35
Toluene			0.100	0.09119		mg/Kg		91	70 - 130	29	35
Ethylbenzene			0.100	0.08968		mg/Kg		90	70 - 130	10	35
m,p-Xylenes			0.200	0.1866		mg/Kg		93	70 - 130	15	35
o-Xylene			0.100	0.1081	*1	mg/Kg		108	70 - 130	52	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-13940-16 MS
Matrix: Solid
Analysis Batch: 24740

Client Sample ID: S-8 1
Prep Type: Total/NA
Prep Batch: 24317

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130		
Toluene	<0.00199	U F2 F1	0.0994	<0.00199	U F1	mg/Kg		0.9	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0994	0.05598	F1	mg/Kg		56	70 - 130		
m,p-Xylenes	<0.00398	U F2 F1	0.199	0.01361	F1	mg/Kg		7	70 - 130		
o-Xylene	<0.00199	U F2 F1 * + *1	0.0994	0.006271	F1	mg/Kg		6	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-13940-16 MSD
Matrix: Solid
Analysis Batch: 24740

Client Sample ID: S-8 1
Prep Type: Total/NA
Prep Batch: 24317

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0998	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00199	U F2 F1	0.0998	<0.00200	U F2 F1	mg/Kg		2	70 - 130	50	35
Ethylbenzene	<0.00199	U F1	0.0998	0.06016	F1	mg/Kg		60	70 - 130	7	35
m,p-Xylenes	<0.00398	U F2 F1	0.200	0.008107	F2 F1	mg/Kg		4	70 - 130	51	35
o-Xylene	<0.00199	U F2 F1 * + *1	0.0998	0.01299	F2 F1	mg/Kg		13	70 - 130	70	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

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

Lab Sample ID: 880-13940-16 MSD
Matrix: Solid
Analysis Batch: 24740

Client Sample ID: S-8 1
Prep Type: Total/NA
Prep Batch: 24317

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-24319/5-A
Matrix: Solid
Analysis Batch: 24740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24319

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:49	05/03/22 17:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:49	05/03/22 17:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:49	05/03/22 17:02	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/27/22 11:49	05/03/22 17:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/22 11:49	05/03/22 17:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/22 11:49	05/03/22 17:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	04/27/22 11:49	05/03/22 17:02	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/27/22 11:49	05/03/22 17:02	1

Lab Sample ID: MB 880-24600/5-A
Matrix: Solid
Analysis Batch: 24597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24600

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/02/22 08:12	05/02/22 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/02/22 08:12	05/02/22 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/02/22 08:12	05/02/22 11:36	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/02/22 08:12	05/02/22 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/02/22 08:12	05/02/22 11:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/02/22 08:12	05/02/22 11:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	05/02/22 08:12	05/02/22 11:36	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/02/22 08:12	05/02/22 11:36	1

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

Lab Sample ID: MB 880-24069/1-A
Matrix: Solid
Analysis Batch: 24113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24069

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 20:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 20:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/22 16:37	04/25/22 20:46	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

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

Lab Sample ID: MB 880-24069/1-A
Matrix: Solid
Analysis Batch: 24113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24069

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	04/22/22 16:37	04/25/22 20:46	1
o-Terphenyl (Surr)	113		70 - 130	04/22/22 16:37	04/25/22 20:46	1

Lab Sample ID: LCS 880-24069/2-A
Matrix: Solid
Analysis Batch: 24113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1025		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	833.0		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	87		70 - 130
o-Terphenyl (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-24069/3-A
Matrix: Solid
Analysis Batch: 24113

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24069

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1008		mg/Kg		101	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	876.1		mg/Kg		88	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: 880-13940-1 MS
Matrix: Solid
Analysis Batch: 24113

Client Sample ID: S-1 0.5
Prep Type: Total/NA
Prep Batch: 24069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	927.0		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	882.0		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	84		70 - 130
o-Terphenyl (Surr)	90		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

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

Lab Sample ID: 880-13940-1 MSD
Matrix: Solid
Analysis Batch: 24113

Client Sample ID: S-1 0.5
Prep Type: Total/NA
Prep Batch: 24069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1107		mg/Kg		111	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	975.7		mg/Kg		95	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*93*		*70 - 130*
o-Terphenyl (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-24167/1-A
Matrix: Solid
Analysis Batch: 24215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24167

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 10:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 10:15	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/25/22 11:13	04/26/22 10:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*81*		*70 - 130*	*04/25/22 11:13*	*04/26/22 10:15*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*04/25/22 11:13*	*04/26/22 10:15*	*1*

Lab Sample ID: LCS 880-24167/2-A
Matrix: Solid
Analysis Batch: 24215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24167

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1084		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	930.9		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*93*		*70 - 130*
o-Terphenyl (Surr)	*117*		*70 - 130*

Lab Sample ID: LCSD 880-24167/3-A
Matrix: Solid
Analysis Batch: 24215

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24167

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1001		mg/Kg		100	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	1142		mg/Kg		114	70 - 130	20	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

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

Lab Sample ID: LCSD 880-24167/3-A
Matrix: Solid
Analysis Batch: 24215

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24167

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	146	S1+	70 - 130

Lab Sample ID: 880-14014-A-41-B MS
Matrix: Solid
Analysis Batch: 24215

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 24167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1071		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	662.6	F1	mg/Kg		64	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	72		70 - 130
o-Terphenyl (Surr)	79		70 - 130

Lab Sample ID: 880-14014-A-41-C MSD
Matrix: Solid
Analysis Batch: 24215

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 24167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1079		mg/Kg		106	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	671.6	F1	mg/Kg		65	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	73		70 - 130
o-Terphenyl (Surr)	79		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-24153/1-A
Matrix: Solid
Analysis Batch: 24363

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/27/22 19:55	1

Lab Sample ID: LCS 880-24153/2-A
Matrix: Solid
Analysis Batch: 24363

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	272.3		mg/Kg		109	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-24153/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24363

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	265.3		mg/Kg		106	90 - 110	3	20

Lab Sample ID: 880-13940-1 MS — **Client Sample ID: S-1 0.5**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	32.7		253	301.8		mg/Kg		107	90 - 110		

Lab Sample ID: 880-13940-1 MSD — **Client Sample ID: S-1 0.5**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24363

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	32.7		253	299.9		mg/Kg		106	90 - 110	1	20

Lab Sample ID: MB 880-24154/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24386

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/28/22 08:43	1

Lab Sample ID: LCS 880-24154/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24386

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.7		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-24154/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24386

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	251.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-13940-11 MS — **Client Sample ID: S-6 0.5**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24386

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	15.9		250	263.3		mg/Kg		99	90 - 110		

Lab Sample ID: 880-13940-11 MSD — **Client Sample ID: S-6 0.5**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 24386

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15.9		250	264.5		mg/Kg		99	90 - 110	0	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-13940-21 MS
Matrix: Solid
Analysis Batch: 24386

Client Sample ID: S-11 0.5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3580		1250	4911		mg/Kg		107	90 - 110		

Lab Sample ID: 880-13940-21 MSD
Matrix: Solid
Analysis Batch: 24386

Client Sample ID: S-11 0.5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3580		1250	4881		mg/Kg		105	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

GC VOA

Prep Batch: 24269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-1	S-1 0.5	Total/NA	Solid	5035	
880-13940-2	S-1 1	Total/NA	Solid	5035	
880-13940-3	S-2 0.5	Total/NA	Solid	5035	
880-13940-4	S-2 1	Total/NA	Solid	5035	
880-13940-5	S-3 0.5	Total/NA	Solid	5035	
880-13940-6	S-3 1	Total/NA	Solid	5035	
880-13940-7	S-4 0.5	Total/NA	Solid	5035	
880-13940-8	S-4 1	Total/NA	Solid	5035	
880-13940-9	S-5 0.5	Total/NA	Solid	5035	
880-13940-10	S-5 1	Total/NA	Solid	5035	
880-13940-11	S-6 0.5	Total/NA	Solid	5035	
880-13940-12	S-6 1	Total/NA	Solid	5035	
880-13940-13	S-7 0.5	Total/NA	Solid	5035	
880-13940-14	S-7 1	Total/NA	Solid	5035	
880-13940-15	S-8 0.5	Total/NA	Solid	5035	
MB 880-24269/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-24269/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-24269/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-13939-A-10-D MS	Matrix Spike	Total/NA	Solid	5035	
880-13939-A-10-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 24317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-16	S-8 1	Total/NA	Solid	5035	
880-13940-17	S-9 0.5	Total/NA	Solid	5035	
880-13940-18	S-9 1	Total/NA	Solid	5035	
880-13940-19	S-10 0.5	Total/NA	Solid	5035	
880-13940-20	S-10 1	Total/NA	Solid	5035	
880-13940-21	S-11 0.5	Total/NA	Solid	5035	
880-13940-22	S-11 1	Total/NA	Solid	5035	
880-13940-23	S-12 0.5	Total/NA	Solid	5035	
880-13940-24	S-12 1	Total/NA	Solid	5035	
880-13940-25	S-13 0.5	Total/NA	Solid	5035	
880-13940-26	S-13 1	Total/NA	Solid	5035	
880-13940-27	S-14 0.5	Total/NA	Solid	5035	
880-13940-28	S-14 1	Total/NA	Solid	5035	
880-13940-29	S-15 0.5	Total/NA	Solid	5035	
880-13940-30	S-15 1	Total/NA	Solid	5035	
MB 880-24317/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-24317/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-24317/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-13940-16 MS	S-8 1	Total/NA	Solid	5035	
880-13940-16 MSD	S-8 1	Total/NA	Solid	5035	

Prep Batch: 24319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-24319/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 24597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-1	S-1 0.5	Total/NA	Solid	8021B	24269

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

GC VOA (Continued)

Analysis Batch: 24597 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-2	S-1 1	Total/NA	Solid	8021B	24269
880-13940-3	S-2 0.5	Total/NA	Solid	8021B	24269
880-13940-4	S-2 1	Total/NA	Solid	8021B	24269
880-13940-5	S-3 0.5	Total/NA	Solid	8021B	24269
880-13940-6	S-3 1	Total/NA	Solid	8021B	24269
880-13940-7	S-4 0.5	Total/NA	Solid	8021B	24269
880-13940-8	S-4 1	Total/NA	Solid	8021B	24269
880-13940-9	S-5 0.5	Total/NA	Solid	8021B	24269
880-13940-10	S-5 1	Total/NA	Solid	8021B	24269
880-13940-11	S-6 0.5	Total/NA	Solid	8021B	24269
880-13940-12	S-6 1	Total/NA	Solid	8021B	24269
880-13940-13	S-7 0.5	Total/NA	Solid	8021B	24269
880-13940-14	S-7 1	Total/NA	Solid	8021B	24269
880-13940-15	S-8 0.5	Total/NA	Solid	8021B	24269
MB 880-24269/5-A	Method Blank	Total/NA	Solid	8021B	24269
MB 880-24600/5-A	Method Blank	Total/NA	Solid	8021B	24600
LCS 880-24269/1-A	Lab Control Sample	Total/NA	Solid	8021B	24269
LCSD 880-24269/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24269
880-13939-A-10-D MS	Matrix Spike	Total/NA	Solid	8021B	24269
880-13939-A-10-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	24269

Prep Batch: 24600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-24600/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 24704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-1	S-1 0.5	Total/NA	Solid	Total BTEX	
880-13940-2	S-1 1	Total/NA	Solid	Total BTEX	
880-13940-3	S-2 0.5	Total/NA	Solid	Total BTEX	
880-13940-4	S-2 1	Total/NA	Solid	Total BTEX	
880-13940-5	S-3 0.5	Total/NA	Solid	Total BTEX	
880-13940-6	S-3 1	Total/NA	Solid	Total BTEX	
880-13940-7	S-4 0.5	Total/NA	Solid	Total BTEX	
880-13940-8	S-4 1	Total/NA	Solid	Total BTEX	
880-13940-9	S-5 0.5	Total/NA	Solid	Total BTEX	
880-13940-10	S-5 1	Total/NA	Solid	Total BTEX	
880-13940-11	S-6 0.5	Total/NA	Solid	Total BTEX	
880-13940-12	S-6 1	Total/NA	Solid	Total BTEX	
880-13940-13	S-7 0.5	Total/NA	Solid	Total BTEX	
880-13940-14	S-7 1	Total/NA	Solid	Total BTEX	
880-13940-15	S-8 0.5	Total/NA	Solid	Total BTEX	
880-13940-16	S-8 1	Total/NA	Solid	Total BTEX	
880-13940-17	S-9 0.5	Total/NA	Solid	Total BTEX	
880-13940-18	S-9 1	Total/NA	Solid	Total BTEX	
880-13940-19	S-10 0.5	Total/NA	Solid	Total BTEX	
880-13940-20	S-10 1	Total/NA	Solid	Total BTEX	
880-13940-21	S-11 0.5	Total/NA	Solid	Total BTEX	
880-13940-22	S-11 1	Total/NA	Solid	Total BTEX	
880-13940-23	S-12 0.5	Total/NA	Solid	Total BTEX	
880-13940-24	S-12 1	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

GC VOA (Continued)

Analysis Batch: 24704 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-25	S-13 0.5	Total/NA	Solid	Total BTEX	
880-13940-26	S-13 1	Total/NA	Solid	Total BTEX	
880-13940-27	S-14 0.5	Total/NA	Solid	Total BTEX	
880-13940-28	S-14 1	Total/NA	Solid	Total BTEX	
880-13940-29	S-15 0.5	Total/NA	Solid	Total BTEX	
880-13940-30	S-15 1	Total/NA	Solid	Total BTEX	

Analysis Batch: 24740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-16	S-8 1	Total/NA	Solid	8021B	24317
880-13940-17	S-9 0.5	Total/NA	Solid	8021B	24317
880-13940-18	S-9 1	Total/NA	Solid	8021B	24317
880-13940-19	S-10 0.5	Total/NA	Solid	8021B	24317
880-13940-20	S-10 1	Total/NA	Solid	8021B	24317
880-13940-21	S-11 0.5	Total/NA	Solid	8021B	24317
880-13940-22	S-11 1	Total/NA	Solid	8021B	24317
880-13940-23	S-12 0.5	Total/NA	Solid	8021B	24317
880-13940-24	S-12 1	Total/NA	Solid	8021B	24317
880-13940-25	S-13 0.5	Total/NA	Solid	8021B	24317
880-13940-26	S-13 1	Total/NA	Solid	8021B	24317
880-13940-27	S-14 0.5	Total/NA	Solid	8021B	24317
880-13940-28	S-14 1	Total/NA	Solid	8021B	24317
880-13940-29	S-15 0.5	Total/NA	Solid	8021B	24317
880-13940-30	S-15 1	Total/NA	Solid	8021B	24317
MB 880-24317/5-A	Method Blank	Total/NA	Solid	8021B	24317
MB 880-24319/5-A	Method Blank	Total/NA	Solid	8021B	24319
LCS 880-24317/1-A	Lab Control Sample	Total/NA	Solid	8021B	24317
LCSD 880-24317/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24317
880-13940-16 MS	S-8 1	Total/NA	Solid	8021B	24317
880-13940-16 MSD	S-8 1	Total/NA	Solid	8021B	24317

GC Semi VOA

Prep Batch: 24069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-1	S-1 0.5	Total/NA	Solid	8015NM Prep	
880-13940-2	S-1 1	Total/NA	Solid	8015NM Prep	
880-13940-3	S-2 0.5	Total/NA	Solid	8015NM Prep	
880-13940-4	S-2 1	Total/NA	Solid	8015NM Prep	
880-13940-5	S-3 0.5	Total/NA	Solid	8015NM Prep	
880-13940-6	S-3 1	Total/NA	Solid	8015NM Prep	
880-13940-7	S-4 0.5	Total/NA	Solid	8015NM Prep	
880-13940-8	S-4 1	Total/NA	Solid	8015NM Prep	
880-13940-9	S-5 0.5	Total/NA	Solid	8015NM Prep	
880-13940-10	S-5 1	Total/NA	Solid	8015NM Prep	
880-13940-11	S-6 0.5	Total/NA	Solid	8015NM Prep	
880-13940-12	S-6 1	Total/NA	Solid	8015NM Prep	
880-13940-13	S-7 0.5	Total/NA	Solid	8015NM Prep	
880-13940-14	S-7 1	Total/NA	Solid	8015NM Prep	
880-13940-15	S-8 0.5	Total/NA	Solid	8015NM Prep	
880-13940-16	S-8 1	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

GC Semi VOA (Continued)

Prep Batch: 24069 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-17	S-9 0.5	Total/NA	Solid	8015NM Prep	
880-13940-18	S-9 1	Total/NA	Solid	8015NM Prep	
880-13940-19	S-10 0.5	Total/NA	Solid	8015NM Prep	
880-13940-20	S-10 1	Total/NA	Solid	8015NM Prep	
MB 880-24069/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24069/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24069/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-13940-1 MS	S-1 0.5	Total/NA	Solid	8015NM Prep	
880-13940-1 MSD	S-1 0.5	Total/NA	Solid	8015NM Prep	

Analysis Batch: 24113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-1	S-1 0.5	Total/NA	Solid	8015B NM	24069
880-13940-2	S-1 1	Total/NA	Solid	8015B NM	24069
880-13940-3	S-2 0.5	Total/NA	Solid	8015B NM	24069
880-13940-4	S-2 1	Total/NA	Solid	8015B NM	24069
880-13940-5	S-3 0.5	Total/NA	Solid	8015B NM	24069
880-13940-6	S-3 1	Total/NA	Solid	8015B NM	24069
880-13940-7	S-4 0.5	Total/NA	Solid	8015B NM	24069
880-13940-8	S-4 1	Total/NA	Solid	8015B NM	24069
880-13940-9	S-5 0.5	Total/NA	Solid	8015B NM	24069
880-13940-10	S-5 1	Total/NA	Solid	8015B NM	24069
880-13940-11	S-6 0.5	Total/NA	Solid	8015B NM	24069
880-13940-12	S-6 1	Total/NA	Solid	8015B NM	24069
880-13940-13	S-7 0.5	Total/NA	Solid	8015B NM	24069
880-13940-14	S-7 1	Total/NA	Solid	8015B NM	24069
880-13940-15	S-8 0.5	Total/NA	Solid	8015B NM	24069
880-13940-16	S-8 1	Total/NA	Solid	8015B NM	24069
880-13940-17	S-9 0.5	Total/NA	Solid	8015B NM	24069
880-13940-18	S-9 1	Total/NA	Solid	8015B NM	24069
880-13940-19	S-10 0.5	Total/NA	Solid	8015B NM	24069
880-13940-20	S-10 1	Total/NA	Solid	8015B NM	24069
MB 880-24069/1-A	Method Blank	Total/NA	Solid	8015B NM	24069
LCS 880-24069/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24069
LCSD 880-24069/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24069
880-13940-1 MS	S-1 0.5	Total/NA	Solid	8015B NM	24069
880-13940-1 MSD	S-1 0.5	Total/NA	Solid	8015B NM	24069

Prep Batch: 24167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-21	S-11 0.5	Total/NA	Solid	8015NM Prep	
880-13940-22	S-11 1	Total/NA	Solid	8015NM Prep	
880-13940-23	S-12 0.5	Total/NA	Solid	8015NM Prep	
880-13940-24	S-12 1	Total/NA	Solid	8015NM Prep	
880-13940-25	S-13 0.5	Total/NA	Solid	8015NM Prep	
880-13940-26	S-13 1	Total/NA	Solid	8015NM Prep	
880-13940-27	S-14 0.5	Total/NA	Solid	8015NM Prep	
880-13940-28	S-14 1	Total/NA	Solid	8015NM Prep	
880-13940-29	S-15 0.5	Total/NA	Solid	8015NM Prep	
880-13940-30	S-15 1	Total/NA	Solid	8015NM Prep	
MB 880-24167/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

GC Semi VOA (Continued)

Prep Batch: 24167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-24167/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24167/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-14014-A-41-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-14014-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 24215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-21	S-11 0.5	Total/NA	Solid	8015B NM	24167
880-13940-22	S-11 1	Total/NA	Solid	8015B NM	24167
880-13940-23	S-12 0.5	Total/NA	Solid	8015B NM	24167
880-13940-24	S-12 1	Total/NA	Solid	8015B NM	24167
880-13940-25	S-13 0.5	Total/NA	Solid	8015B NM	24167
880-13940-26	S-13 1	Total/NA	Solid	8015B NM	24167
880-13940-27	S-14 0.5	Total/NA	Solid	8015B NM	24167
880-13940-28	S-14 1	Total/NA	Solid	8015B NM	24167
880-13940-29	S-15 0.5	Total/NA	Solid	8015B NM	24167
880-13940-30	S-15 1	Total/NA	Solid	8015B NM	24167
MB 880-24167/1-A	Method Blank	Total/NA	Solid	8015B NM	24167
LCS 880-24167/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24167
LCSD 880-24167/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24167
880-14014-A-41-B MS	Matrix Spike	Total/NA	Solid	8015B NM	24167
880-14014-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	24167

Analysis Batch: 24243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-1	S-1 0.5	Total/NA	Solid	8015 NM	
880-13940-2	S-1 1	Total/NA	Solid	8015 NM	
880-13940-3	S-2 0.5	Total/NA	Solid	8015 NM	
880-13940-4	S-2 1	Total/NA	Solid	8015 NM	
880-13940-5	S-3 0.5	Total/NA	Solid	8015 NM	
880-13940-6	S-3 1	Total/NA	Solid	8015 NM	
880-13940-7	S-4 0.5	Total/NA	Solid	8015 NM	
880-13940-8	S-4 1	Total/NA	Solid	8015 NM	
880-13940-9	S-5 0.5	Total/NA	Solid	8015 NM	
880-13940-10	S-5 1	Total/NA	Solid	8015 NM	
880-13940-11	S-6 0.5	Total/NA	Solid	8015 NM	
880-13940-12	S-6 1	Total/NA	Solid	8015 NM	
880-13940-13	S-7 0.5	Total/NA	Solid	8015 NM	
880-13940-14	S-7 1	Total/NA	Solid	8015 NM	
880-13940-15	S-8 0.5	Total/NA	Solid	8015 NM	
880-13940-16	S-8 1	Total/NA	Solid	8015 NM	
880-13940-17	S-9 0.5	Total/NA	Solid	8015 NM	
880-13940-18	S-9 1	Total/NA	Solid	8015 NM	
880-13940-19	S-10 0.5	Total/NA	Solid	8015 NM	
880-13940-20	S-10 1	Total/NA	Solid	8015 NM	
880-13940-21	S-11 0.5	Total/NA	Solid	8015 NM	
880-13940-22	S-11 1	Total/NA	Solid	8015 NM	
880-13940-23	S-12 0.5	Total/NA	Solid	8015 NM	
880-13940-24	S-12 1	Total/NA	Solid	8015 NM	
880-13940-25	S-13 0.5	Total/NA	Solid	8015 NM	
880-13940-26	S-13 1	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

GC Semi VOA (Continued)

Analysis Batch: 24243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-27	S-14 0.5	Total/NA	Solid	8015 NM	
880-13940-28	S-14 1	Total/NA	Solid	8015 NM	
880-13940-29	S-15 0.5	Total/NA	Solid	8015 NM	
880-13940-30	S-15 1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 24153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-1	S-1 0.5	Soluble	Solid	DI Leach	
880-13940-2	S-1 1	Soluble	Solid	DI Leach	
880-13940-3	S-2 0.5	Soluble	Solid	DI Leach	
880-13940-4	S-2 1	Soluble	Solid	DI Leach	
880-13940-5	S-3 0.5	Soluble	Solid	DI Leach	
880-13940-6	S-3 1	Soluble	Solid	DI Leach	
880-13940-7	S-4 0.5	Soluble	Solid	DI Leach	
880-13940-8	S-4 1	Soluble	Solid	DI Leach	
880-13940-9	S-5 0.5	Soluble	Solid	DI Leach	
880-13940-10	S-5 1	Soluble	Solid	DI Leach	
MB 880-24153/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24153/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24153/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-13940-1 MS	S-1 0.5	Soluble	Solid	DI Leach	
880-13940-1 MSD	S-1 0.5	Soluble	Solid	DI Leach	

Leach Batch: 24154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-11	S-6 0.5	Soluble	Solid	DI Leach	
880-13940-12	S-6 1	Soluble	Solid	DI Leach	
880-13940-13	S-7 0.5	Soluble	Solid	DI Leach	
880-13940-14	S-7 1	Soluble	Solid	DI Leach	
880-13940-15	S-8 0.5	Soluble	Solid	DI Leach	
880-13940-16	S-8 1	Soluble	Solid	DI Leach	
880-13940-17	S-9 0.5	Soluble	Solid	DI Leach	
880-13940-18	S-9 1	Soluble	Solid	DI Leach	
880-13940-19	S-10 0.5	Soluble	Solid	DI Leach	
880-13940-20	S-10 1	Soluble	Solid	DI Leach	
880-13940-21	S-11 0.5	Soluble	Solid	DI Leach	
880-13940-22	S-11 1	Soluble	Solid	DI Leach	
880-13940-23	S-12 0.5	Soluble	Solid	DI Leach	
880-13940-24	S-12 1	Soluble	Solid	DI Leach	
880-13940-25	S-13 0.5	Soluble	Solid	DI Leach	
880-13940-26	S-13 1	Soluble	Solid	DI Leach	
880-13940-27	S-14 0.5	Soluble	Solid	DI Leach	
880-13940-28	S-14 1	Soluble	Solid	DI Leach	
880-13940-29	S-15 0.5	Soluble	Solid	DI Leach	
880-13940-30	S-15 1	Soluble	Solid	DI Leach	
MB 880-24154/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24154/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24154/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-13940-11 MS	S-6 0.5	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

HPLC/IC (Continued)

Leach Batch: 24154 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-11 MSD	S-6 0.5	Soluble	Solid	DI Leach	
880-13940-21 MS	S-11 0.5	Soluble	Solid	DI Leach	
880-13940-21 MSD	S-11 0.5	Soluble	Solid	DI Leach	

Analysis Batch: 24363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-1	S-1 0.5	Soluble	Solid	300.0	24153
880-13940-2	S-1 1	Soluble	Solid	300.0	24153
880-13940-3	S-2 0.5	Soluble	Solid	300.0	24153
880-13940-4	S-2 1	Soluble	Solid	300.0	24153
880-13940-5	S-3 0.5	Soluble	Solid	300.0	24153
880-13940-6	S-3 1	Soluble	Solid	300.0	24153
880-13940-7	S-4 0.5	Soluble	Solid	300.0	24153
880-13940-8	S-4 1	Soluble	Solid	300.0	24153
880-13940-9	S-5 0.5	Soluble	Solid	300.0	24153
880-13940-10	S-5 1	Soluble	Solid	300.0	24153
MB 880-24153/1-A	Method Blank	Soluble	Solid	300.0	24153
LCS 880-24153/2-A	Lab Control Sample	Soluble	Solid	300.0	24153
LCSD 880-24153/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24153
880-13940-1 MS	S-1 0.5	Soluble	Solid	300.0	24153
880-13940-1 MSD	S-1 0.5	Soluble	Solid	300.0	24153

Analysis Batch: 24386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13940-11	S-6 0.5	Soluble	Solid	300.0	24154
880-13940-12	S-6 1	Soluble	Solid	300.0	24154
880-13940-13	S-7 0.5	Soluble	Solid	300.0	24154
880-13940-14	S-7 1	Soluble	Solid	300.0	24154
880-13940-15	S-8 0.5	Soluble	Solid	300.0	24154
880-13940-16	S-8 1	Soluble	Solid	300.0	24154
880-13940-17	S-9 0.5	Soluble	Solid	300.0	24154
880-13940-18	S-9 1	Soluble	Solid	300.0	24154
880-13940-19	S-10 0.5	Soluble	Solid	300.0	24154
880-13940-20	S-10 1	Soluble	Solid	300.0	24154
880-13940-21	S-11 0.5	Soluble	Solid	300.0	24154
880-13940-22	S-11 1	Soluble	Solid	300.0	24154
880-13940-23	S-12 0.5	Soluble	Solid	300.0	24154
880-13940-24	S-12 1	Soluble	Solid	300.0	24154
880-13940-25	S-13 0.5	Soluble	Solid	300.0	24154
880-13940-26	S-13 1	Soluble	Solid	300.0	24154
880-13940-27	S-14 0.5	Soluble	Solid	300.0	24154
880-13940-28	S-14 1	Soluble	Solid	300.0	24154
880-13940-29	S-15 0.5	Soluble	Solid	300.0	24154
880-13940-30	S-15 1	Soluble	Solid	300.0	24154
MB 880-24154/1-A	Method Blank	Soluble	Solid	300.0	24154
LCS 880-24154/2-A	Lab Control Sample	Soluble	Solid	300.0	24154
LCSD 880-24154/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24154
880-13940-11 MS	S-6 0.5	Soluble	Solid	300.0	24154
880-13940-11 MSD	S-6 0.5	Soluble	Solid	300.0	24154
880-13940-21 MS	S-11 0.5	Soluble	Solid	300.0	24154
880-13940-21 MSD	S-11 0.5	Soluble	Solid	300.0	24154

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-1 0.5

Date Collected: 04/20/22 12:30
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 04:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/25/22 21:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	24153	04/25/22 10:18	CH	XEN MID
Soluble	Analysis	300.0		1			24363	04/27/22 22:33	CH	XEN MID

Client Sample ID: S-1 1

Date Collected: 04/20/22 12:35
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-2

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			4.95 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 04:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/25/22 22:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24153	04/25/22 10:18	CH	XEN MID
Soluble	Analysis	300.0		1			24363	04/27/22 23:02	CH	XEN MID

Client Sample ID: S-2 0.5

Date Collected: 04/20/22 12:40
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-3

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	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 05:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/25/22 23:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	24153	04/25/22 10:18	CH	XEN MID
Soluble	Analysis	300.0		1			24363	04/27/22 23:11	CH	XEN MID

Client Sample ID: S-2 1

Date Collected: 04/20/22 12:45
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 05:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-2 1
Date Collected: 04/20/22 12:45
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/25/22 23:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24153	04/25/22 10:18	CH	XEN MID
Soluble	Analysis	300.0		1			24363	04/27/22 23:40	CH	XEN MID

Client Sample ID: S-3 0.5
Date Collected: 04/20/22 12:50
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 06:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/25/22 23:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24153	04/25/22 10:18	CH	XEN MID
Soluble	Analysis	300.0		5			24363	04/27/22 23:50	CH	XEN MID

Client Sample ID: S-3 1
Date Collected: 04/20/22 12:55
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 07:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 00:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24153	04/25/22 10:18	CH	XEN MID
Soluble	Analysis	300.0		5			24363	04/28/22 00:00	CH	XEN MID

Client Sample ID: S-4 0.5
Date Collected: 04/20/22 13:00
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-7
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			4.98 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 08:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 00:31	AJ	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-4 0.5

Date Collected: 04/20/22 13:00
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	24153	04/25/22 10:18	CH	XEN MID
Soluble	Analysis	300.0		10			24363	04/28/22 00:09	CH	XEN MID

Client Sample ID: S-4 1

Date Collected: 04/20/22 13:05
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 08:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 00:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24153	04/25/22 10:18	CH	XEN MID
Soluble	Analysis	300.0		5			24363	04/28/22 00:19	CH	XEN MID

Client Sample ID: S-5 0.5

Date Collected: 04/20/22 13:10
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-9

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	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 09:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 01:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	24153	04/25/22 10:18	CH	XEN MID
Soluble	Analysis	300.0		1			24363	04/28/22 00:28	CH	XEN MID

Client Sample ID: S-5 1

Date Collected: 04/20/22 13:15
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 09:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 01:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24153	04/25/22 10:18	CH	XEN MID
Soluble	Analysis	300.0		1			24363	04/28/22 00:38	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-6 0.5

Date Collected: 04/20/22 13:20
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-11

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			5.04 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 10:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 02:14	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 09:09	CH	XEN MID

Client Sample ID: S-6 1

Date Collected: 04/20/22 13:25
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-12

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			4.98 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 10:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 02:35	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 09:36	CH	XEN MID

Client Sample ID: S-7 0.5

Date Collected: 04/20/22 13:30
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-13

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			5.00 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 11:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 02:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 09:45	CH	XEN MID

Client Sample ID: S-7 1

Date Collected: 04/20/22 13:35
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-14

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			4.95 g	5 mL	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 11:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-7 1

Date Collected: 04/20/22 13:35
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 03:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 09:53	CH	XEN MID

Client Sample ID: S-8 0.5

Date Collected: 04/20/22 13:40
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-15
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	24269	04/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24597	05/03/22 11:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 03:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		5			24386	04/28/22 10:02	CH	XEN MID

Client Sample ID: S-8 1

Date Collected: 04/20/22 13:45
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-16
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			5.02 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 05:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 03:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		10			24386	04/28/22 10:29	CH	XEN MID

Client Sample ID: S-9 0.5

Date Collected: 04/20/22 13:45
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 05:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 04:17	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-9 0.5

Date Collected: 04/20/22 13:45
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 10:38	CH	XEN MID

Client Sample ID: S-9 1

Date Collected: 04/20/22 13:50
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-18
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	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 05:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 04:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 10:47	CH	XEN MID

Client Sample ID: S-10 0.5

Date Collected: 04/20/22 13:55
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 06:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 04:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		5			24386	04/28/22 10:55	CH	XEN MID

Client Sample ID: S-10 1

Date Collected: 04/20/22 14:00
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 06:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24069	04/22/22 16:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24113	04/26/22 05:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		5			24386	04/28/22 11:04	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-11 0.5

Date Collected: 04/20/22 14:05
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 06:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24167	04/25/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24215	04/26/22 14:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		5			24386	04/28/22 11:13	CH	XEN MID

Client Sample ID: S-11 1

Date Collected: 04/20/22 14:10
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-22

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			4.99 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 07:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24167	04/25/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24215	04/26/22 15:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		5			24386	04/28/22 11:40	CH	XEN MID

Client Sample ID: S-12 0.5

Date Collected: 04/20/22 14:15
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 07:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24167	04/25/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24215	04/26/22 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 11:48	CH	XEN MID

Client Sample ID: S-12 1

Date Collected: 04/20/22 14:20
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 07:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-12 1

Date Collected: 04/20/22 14:20
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24167	04/25/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24215	04/26/22 16:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 12:15	CH	XEN MID

Client Sample ID: S-13 0.5

Date Collected: 04/20/22 14:25
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 08:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24167	04/25/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24215	04/26/22 16:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 12:24	CH	XEN MID

Client Sample ID: S-13 1

Date Collected: 04/20/22 14:30
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 10:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24167	04/25/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24215	04/26/22 16:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 12:33	CH	XEN MID

Client Sample ID: S-14 0.5

Date Collected: 04/20/22 14:35
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 10:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24167	04/25/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24215	04/26/22 17:08	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Client Sample ID: S-14 0.5

Date Collected: 04/20/22 14:35
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 12:42	CH	XEN MID

Client Sample ID: S-14 1

Date Collected: 04/20/22 14:40
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 10:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24167	04/25/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24215	04/26/22 17:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 12:51	CH	XEN MID

Client Sample ID: S-15 0.5

Date Collected: 04/20/22 14:45
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 11:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24167	04/25/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24215	04/26/22 17:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 12:59	CH	XEN MID

Client Sample ID: S-15 1

Date Collected: 04/20/22 14:50
Date Received: 04/21/22 09:08

Lab Sample ID: 880-13940-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24317	04/27/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24740	05/04/22 11:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24704	05/03/22 08:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24243	04/26/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24167	04/25/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24215	04/26/22 18:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24154	04/25/22 10:19	CH	XEN MID
Soluble	Analysis	300.0		1			24386	04/28/22 13:08	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-13940-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-13940-1
SDG: 22-0105-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-13940-1	S-1 0.5	Solid	04/20/22 12:30	04/21/22 09:08
880-13940-2	S-1 1	Solid	04/20/22 12:35	04/21/22 09:08
880-13940-3	S-2 0.5	Solid	04/20/22 12:40	04/21/22 09:08
880-13940-4	S-2 1	Solid	04/20/22 12:45	04/21/22 09:08
880-13940-5	S-3 0.5	Solid	04/20/22 12:50	04/21/22 09:08
880-13940-6	S-3 1	Solid	04/20/22 12:55	04/21/22 09:08
880-13940-7	S-4 0.5	Solid	04/20/22 13:00	04/21/22 09:08
880-13940-8	S-4 1	Solid	04/20/22 13:05	04/21/22 09:08
880-13940-9	S-5 0.5	Solid	04/20/22 13:10	04/21/22 09:08
880-13940-10	S-5 1	Solid	04/20/22 13:15	04/21/22 09:08
880-13940-11	S-6 0.5	Solid	04/20/22 13:20	04/21/22 09:08
880-13940-12	S-6 1	Solid	04/20/22 13:25	04/21/22 09:08
880-13940-13	S-7 0.5	Solid	04/20/22 13:30	04/21/22 09:08
880-13940-14	S-7 1	Solid	04/20/22 13:35	04/21/22 09:08
880-13940-15	S-8 0.5	Solid	04/20/22 13:40	04/21/22 09:08
880-13940-16	S-8 1	Solid	04/20/22 13:45	04/21/22 09:08
880-13940-17	S-9 0.5	Solid	04/20/22 13:45	04/21/22 09:08
880-13940-18	S-9 1	Solid	04/20/22 13:50	04/21/22 09:08
880-13940-19	S-10 0.5	Solid	04/20/22 13:55	04/21/22 09:08
880-13940-20	S-10 1	Solid	04/20/22 14:00	04/21/22 09:08
880-13940-21	S-11 0.5	Solid	04/20/22 14:05	04/21/22 09:08
880-13940-22	S-11 1	Solid	04/20/22 14:10	04/21/22 09:08
880-13940-23	S-12 0.5	Solid	04/20/22 14:15	04/21/22 09:08
880-13940-24	S-12 1	Solid	04/20/22 14:20	04/21/22 09:08
880-13940-25	S-13 0.5	Solid	04/20/22 14:25	04/21/22 09:08
880-13940-26	S-13 1	Solid	04/20/22 14:30	04/21/22 09:08
880-13940-27	S-14 0.5	Solid	04/20/22 14:35	04/21/22 09:08
880-13940-28	S-14 1	Solid	04/20/22 14:40	04/21/22 09:08
880-13940-29	S-15 0.5	Solid	04/20/22 14:45	04/21/22 09:08
880-13940-30	S-15 1	Solid	04/20/22 14:50	04/21/22 09:08

Page 210 of 466

No. 2526

13940 CHAIN-OF-CUSTODY

5/4/2022

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

DATE: 4/21/2022 PAGE 1 OF 2

PO#: _____ LAB WORK ORDER#: _____

PROJECT LOCATION OR NAME: Salado Draw Water Loop Line

LAI PROJECT #: 22-0105-07 COLLECTOR: TP + JR

Data Reported to

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State: MST / NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-1, 0.5		4/20/22	1230	S	1				X		X		X	X	X													X	
S-1, 1		"	1235	"	"				"		"		"	"	"													"	
S-2, 0.5			1240																										
S-2, 1			1245																										
S-3, 0.5			1250																										
S-3, 1			1255																										
S-4, 0.5			1300																										
S-4, 1			1305																										
S-5, 0.5			1310																										
S-5, 1			1315																										
S-6, 0.5			1320																										
S-6, 1			1325																										
S-7, 0.5			1330																										
S-7, 1			1335																										
S-8, 0.5		"	1340	"	"				"		"		"	"	"													"	
TOTAL																													

880-13940 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	4/21/22 0908	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP .3/.2 THERM# IR8-1
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

Page 90 of 62

Received by OCD: 11/7/2024 11:03:04 AM

Released to Imaging: 1/24/2025 3:21:57 PM

Page 211 of 466

No. 2527

13940 CHAIN-OF-CUSTODY

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

DATE: 4/21/2022 PAGE 2 OF 2

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Salado Draw Water Loop Line

LAI PROJECT #: 22-0105 - ~~0007~~ COLLECTOR: TP + JR

Data Reported to

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State: MST/NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015	DIESEL - MOD 8015	OIL - MOD 8015	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐ HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐	TCLP ☐	RCI ☐ TOX ☐	FLASHPOINT ☐	TDS ☐ TSS ☐	% MOISTURE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	CYANIDE ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDES ☐ ANIONS ☐	ALKALINITY ☐	FIELD NOTES
S-8, 1		4/20/22	1345	S	1				X		X			X	X	X																							
S-9, 0.5			1345																																X				
S-9, 1			1350																																				
S-10, 0.5			1355																																				
S-10, 1			1400																																				
S-11, 0.5			1405																																				
S-11, 1			1410																																				
S-12, 0.5			1415																																				
S-12, 1			1420																																				
S-13, 0.5			1425																																				
S-13, 1			1430																																				
S-14, 0.5			1435																																				
S-14, 1			1440																																				
S-15 0.5			1445																																				
S-15, 1			1450																																				
TOTAL																																						

Loc: 880
13940

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	4/21/22 0908	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 3.1.2 THERM# IR8-1
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

5/4/2022

Page 61 of 62

Received by OCD: 11/7/2024 11:03:04 AM

Released to Imaging: 1/24/2025 3:21:57 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-13940-1
SDG Number: 22-0105-07

Login Number: 13940
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 880-16508-1
Laboratory Sample Delivery Group: 22-0105-07
Client Project/Site: Salado Draw Water Loop Line

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

Attn: Mr. Mark J Larson



Authorized for release by:
7/11/2022 4:09:44 PM
Chad Bechtold, Project Manager
(813)690-3563
Chad.Bechtold@et.eurofinsus.com

Designee for

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

LINKS

Review your project results through my EOL

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

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

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

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Client Sample Results 5
Surrogate Summary 32
QC Sample Results 35
QC Association Summary 45
Lab Chronicle 54
Certification Summary 65
Method Summary 66
Sample Summary 67
Chain of Custody 68
Receipt Checklists 71

Released to Imaging: 1/24/2025 3:21:57 PM

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Job ID: 880-16508-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-16508-1

Receipt
The samples were received on 6/30/2022 3:58 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29218 and analytical batch 880-29357 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-28827 and analytical batch 880-28801 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-4 5' (880-16508-7). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-28846 and analytical batch 880-29060 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-28844 and analytical batch 880-29190 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-3 1'

Date Collected: 06/29/22 13:05
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 18:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 18:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 18:36	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/07/22 10:17	07/07/22 18:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 18:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/07/22 10:17	07/07/22 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*07/07/22 10:17*	*07/07/22 18:36*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/07/22 10:17*	*07/07/22 18:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		07/01/22 10:09	07/01/22 20:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 20:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*07/01/22 10:09*	*07/01/22 20:51*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*07/01/22 10:09*	*07/01/22 20:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.0**		4.97		mg/Kg			07/07/22 17:33	1

Client Sample ID: S-3 3'

Date Collected: 06/29/22 13:06
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/07/22 10:17	07/07/22 18:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/07/22 10:17	07/07/22 18:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/07/22 10:17	07/07/22 18:57	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/07/22 10:17	07/07/22 18:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/07/22 10:17	07/07/22 18:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/07/22 10:17	07/07/22 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/07/22 10:17*	*07/07/22 18:57*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/07/22 10:17*	*07/07/22 18:57*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-3 3'
Date Collected: 06/29/22 13:06
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/01/22 21:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/01/22 21:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/01/22 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*120*		*70 - 130*	*07/01/22 10:09*	*07/01/22 21:55*	*1*
o-Terphenyl (Surr)	*126*		*70 - 130*	*07/01/22 10:09*	*07/01/22 21:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.8**		4.99		mg/Kg			07/07/22 17:57	1

Client Sample ID: S-3 5'
Date Collected: 06/29/22 13:07
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 19:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 19:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 19:17	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/07/22 10:17	07/07/22 19:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 19:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/07/22 10:17	07/07/22 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/07/22 10:17*	*07/07/22 19:17*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/07/22 10:17*	*07/07/22 19:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 22:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 22:17	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-3 5' Lab Sample ID: 880-16508-3

Date Collected: 06/29/22 13:07 **Matrix: Solid**
Date Received: 06/30/22 15:58

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*07/01/22 10:09*	*07/01/22 22:17*	*1*
o-Terphenyl (Surr)	*116*		*70 - 130*	*07/01/22 10:09*	*07/01/22 22:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.6**		5.00		mg/Kg			07/07/22 18:05	1

Client Sample ID: S-3 10' Lab Sample ID: 880-16508-4

Date Collected: 06/29/22 13:08 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/07/22 10:17	07/07/22 19:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/07/22 10:17	07/07/22 19:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/07/22 10:17	07/07/22 19:38	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/07/22 10:17	07/07/22 19:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/07/22 10:17	07/07/22 19:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/07/22 10:17	07/07/22 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*07/07/22 10:17*	*07/07/22 19:38*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*07/07/22 10:17*	*07/07/22 19:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/01/22 10:09	07/01/22 22:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/01/22 10:09	07/01/22 22:38	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/01/22 10:09	07/01/22 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*07/01/22 10:09*	*07/01/22 22:38*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*07/01/22 10:09*	*07/01/22 22:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.4**		4.98		mg/Kg			07/07/22 18:13	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-4 1'

Date Collected: 06/29/22 14:45
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/07/22 10:17	07/07/22 19:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/07/22 10:17	07/07/22 19:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/07/22 10:17	07/07/22 19:58	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/07/22 10:17	07/07/22 19:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/07/22 10:17	07/07/22 19:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/07/22 10:17	07/07/22 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/07/22 10:17*	*07/07/22 19:58*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*07/07/22 10:17*	*07/07/22 19:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/01/22 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/01/22 22:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/01/22 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*124*		*70 - 130*	*07/01/22 10:09*	*07/01/22 22:59*	*1*
o-Terphenyl (Surr)	*130*		*70 - 130*	*07/01/22 10:09*	*07/01/22 22:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.7**		4.99		mg/Kg			07/07/22 18:21	1

Client Sample ID: S-4 3'

Date Collected: 06/29/22 14:46
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-6

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1 F2	0.00199		mg/Kg		07/07/22 14:51	07/10/22 04:47	1
Toluene	<0.00199	U F1 F2	0.00199		mg/Kg		07/07/22 14:51	07/10/22 04:47	1
Ethylbenzene	<0.00199	U F1 F2	0.00199		mg/Kg		07/07/22 14:51	07/10/22 04:47	1
m,p-Xylenes	<0.00398	U F1 F2	0.00398		mg/Kg		07/07/22 14:51	07/10/22 04:47	1
o-Xylene	<0.00199	U F1 F2	0.00199		mg/Kg		07/07/22 14:51	07/10/22 04:47	1
Xylenes, Total	<0.00398	U F1 F2	0.00398		mg/Kg		07/07/22 14:51	07/10/22 04:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/07/22 14:51*	*07/10/22 04:47*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/07/22 14:51*	*07/10/22 04:47*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-4 3'
Date Collected: 06/29/22 14:46
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-6
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 23:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 23:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*07/01/22 10:09*	*07/01/22 23:21*	*1*
o-Terphenyl (Surr)	*114*		*70 - 130*	*07/01/22 10:09*	*07/01/22 23:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.2**		4.98		mg/Kg			07/07/22 18:44	1

Client Sample ID: S-4 5'
Date Collected: 06/29/22 14:47
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 05:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 05:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 05:07	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/07/22 14:51	07/10/22 05:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 05:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/07/22 14:51	07/10/22 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*07/07/22 14:51*	*07/10/22 05:07*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/07/22 14:51*	*07/10/22 05:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 23:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 23:42	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-4 5'

Date Collected: 06/29/22 14:47
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/01/22 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*137*	*S1+*	*70 - 130*	*07/01/22 10:09*	*07/01/22 23:42*	*1*
o-Terphenyl (Surr)	*139*	*S1+*	*70 - 130*	*07/01/22 10:09*	*07/01/22 23:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.3**		5.05		mg/Kg			07/07/22 18:52	1

Client Sample ID: S-4 10'

Date Collected: 06/29/22 14:48
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-8
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 05:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 05:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 05:28	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/07/22 14:51	07/10/22 05:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 05:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/07/22 14:51	07/10/22 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*07/07/22 14:51*	*07/10/22 05:28*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/07/22 14:51*	*07/10/22 05:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 00:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 00:04	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*127*		*70 - 130*	*07/01/22 10:09*	*07/02/22 00:04*	*1*
o-Terphenyl (Surr)	*128*		*70 - 130*	*07/01/22 10:09*	*07/02/22 00:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.94**		4.99		mg/Kg			07/07/22 19:00	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-8 1'
Lab Sample ID: 880-16508-9
Date Collected: 06/29/22 14:30 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 05:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 05:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 05:48	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		07/07/22 14:51	07/10/22 05:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 05:48	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/07/22 14:51	07/10/22 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/07/22 14:51*	*07/10/22 05:48*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/07/22 14:51*	*07/10/22 05:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 00:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 00:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*07/01/22 10:09*	*07/02/22 00:25*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*07/01/22 10:09*	*07/02/22 00:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.1**		4.97		mg/Kg			07/07/22 19:08	1

Client Sample ID: S-8 3'
Lab Sample ID: 880-16508-10
Date Collected: 06/29/22 14:31 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 06:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 06:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 06:09	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/07/22 14:51	07/10/22 06:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 06:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/07/22 14:51	07/10/22 06:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/07/22 14:51*	*07/10/22 06:09*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/07/22 14:51*	*07/10/22 06:09*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-8 3'

Date Collected: 06/29/22 14:31
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-10

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 00:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 00:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*07/01/22 10:09*	*07/02/22 00:47*	*1*
o-Terphenyl (Surr)	*116*		*70 - 130*	*07/01/22 10:09*	*07/02/22 00:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.8**		5.00		mg/Kg			07/07/22 19:16	1

Client Sample ID: S-8 5'

Date Collected: 06/29/22 14:32
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 06:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 06:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 06:29	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/07/22 14:51	07/10/22 06:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 06:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/07/22 14:51	07/10/22 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/07/22 14:51*	*07/10/22 06:29*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/07/22 14:51*	*07/10/22 06:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 01:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 01:30	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-8 5' Lab Sample ID: 880-16508-11

Date Collected: 06/29/22 14:32 **Matrix: Solid**
Date Received: 06/30/22 15:58

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*07/01/22 10:09*	*07/02/22 01:30*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*07/01/22 10:09*	*07/02/22 01:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.3**	**F1**	4.95		mg/Kg			07/07/22 19:23	1

Client Sample ID: S-8 10' Lab Sample ID: 880-16508-12

Date Collected: 06/29/22 14:33 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 06:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 06:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 06:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/07/22 14:51	07/10/22 06:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 06:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/22 14:51	07/10/22 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/07/22 14:51*	*07/10/22 06:49*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/07/22 14:51*	*07/10/22 06:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 01:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 01:51	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*07/01/22 10:09*	*07/02/22 01:51*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*07/01/22 10:09*	*07/02/22 01:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.99**		4.99		mg/Kg			07/08/22 11:37	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-10 1'

Date Collected: 06/29/22 14:05
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-13

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 07:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 07:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 07:10	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/07/22 14:51	07/10/22 07:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 07:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/07/22 14:51	07/10/22 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/07/22 14:51*	*07/10/22 07:10*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/07/22 14:51*	*07/10/22 07:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 02:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 02:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*07/01/22 10:09*	*07/02/22 02:13*	*1*
o-Terphenyl (Surr)	*125*		*70 - 130*	*07/01/22 10:09*	*07/02/22 02:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		5.00		mg/Kg			07/08/22 11:45	1

Client Sample ID: S-10 3'

Date Collected: 06/29/22 14:06
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-14

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 07:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 07:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 07:30	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/07/22 14:51	07/10/22 07:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 07:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/07/22 14:51	07/10/22 07:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/07/22 14:51*	*07/10/22 07:30*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/07/22 14:51*	*07/10/22 07:30*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-10 3'

Date Collected: 06/29/22 14:06
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-14

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 02:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 02:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*07/01/22 10:09*	*07/02/22 02:35*	*1*
o-Terphenyl (Surr)	*115*		*70 - 130*	*07/01/22 10:09*	*07/02/22 02:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.1**		5.05		mg/Kg			07/08/22 12:09	1

Client Sample ID: S-10 5'

Date Collected: 06/29/22 14:07
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-15

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 07:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 07:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 07:51	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		07/07/22 14:51	07/10/22 07:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 07:51	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/07/22 14:51	07/10/22 07:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/07/22 14:51*	*07/10/22 07:51*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/07/22 14:51*	*07/10/22 07:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 02:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 02:56	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-10 5' Lab Sample ID: 880-16508-15

Date Collected: 06/29/22 14:07 **Matrix: Solid**
Date Received: 06/30/22 15:58

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*07/01/22 10:09*	*07/02/22 02:56*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*07/01/22 10:09*	*07/02/22 02:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.9**		4.99		mg/Kg			07/08/22 12:17	1

Client Sample ID: S-10 10' Lab Sample ID: 880-16508-16

Date Collected: 06/29/22 14:08 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 09:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 09:41	1
Ethylbenzene	**0.00219**		0.00200		mg/Kg		07/07/22 14:51	07/10/22 09:41	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/07/22 14:51	07/10/22 09:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 09:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/07/22 14:51	07/10/22 09:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/07/22 14:51*	*07/10/22 09:41*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/07/22 14:51*	*07/10/22 09:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 03:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 03:18	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*123*		*70 - 130*	*07/01/22 10:09*	*07/02/22 03:18*	*1*
o-Terphenyl (Surr)	*128*		*70 - 130*	*07/01/22 10:09*	*07/02/22 03:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.24**		4.95		mg/Kg			07/08/22 12:24	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-11 1' Lab Sample ID: 880-16508-17

Date Collected: 06/29/22 13:45 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 10:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 10:01	1
Ethylbenzene	**0.00219**		0.00199		mg/Kg		07/07/22 14:51	07/10/22 10:01	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/07/22 14:51	07/10/22 10:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 10:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/07/22 14:51	07/10/22 10:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*07/07/22 14:51*	*07/10/22 10:01*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/07/22 14:51*	*07/10/22 10:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 03:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 03:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*07/01/22 10:09*	*07/02/22 03:39*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*07/01/22 10:09*	*07/02/22 03:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**181**		5.00		mg/Kg			07/08/22 12:32	1

Client Sample ID: S-11 3' Lab Sample ID: 880-16508-18

Date Collected: 06/29/22 13:46 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 10:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 10:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 10:22	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/07/22 14:51	07/10/22 10:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/07/22 14:51	07/10/22 10:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/07/22 14:51	07/10/22 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*07/07/22 14:51*	*07/10/22 10:22*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/07/22 14:51*	*07/10/22 10:22*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-11 3'

Date Collected: 06/29/22 13:46
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-18

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 04:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 04:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*07/01/22 10:09*	*07/02/22 04:01*	*1*
o-Terphenyl (Surr)	*111*		*70 - 130*	*07/01/22 10:09*	*07/02/22 04:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.51**		4.95		mg/Kg			07/08/22 12:40	1

Client Sample ID: S-11 5'

Date Collected: 06/29/22 13:47
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-19

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 10:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 10:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 10:42	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/07/22 14:51	07/10/22 10:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 10:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/07/22 14:51	07/10/22 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/07/22 14:51*	*07/10/22 10:42*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/07/22 14:51*	*07/10/22 10:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 04:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 04:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-11 5' Lab Sample ID: 880-16508-19

Date Collected: 06/29/22 13:47 **Matrix: Solid**
Date Received: 06/30/22 15:58

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 10:09	07/02/22 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*07/01/22 10:09*	*07/02/22 04:22*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*07/01/22 10:09*	*07/02/22 04:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.40**		4.96		mg/Kg			07/08/22 12:48	1

Client Sample ID: S-11 10' Lab Sample ID: 880-16508-20

Date Collected: 06/29/22 13:48 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 11:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 11:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 11:02	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/07/22 14:51	07/10/22 11:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 11:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/22 14:51	07/10/22 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*07/07/22 14:51*	*07/10/22 11:02*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/07/22 14:51*	*07/10/22 11:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 04:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 04:43	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/02/22 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*07/01/22 10:09*	*07/02/22 04:43*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*07/01/22 10:09*	*07/02/22 04:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13600**		100		mg/Kg			07/08/22 12:56	20

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-16 1'

Date Collected: 06/29/22 13:30
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-21

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 11:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 11:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 11:23	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/07/22 14:51	07/10/22 11:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 11:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/07/22 14:51	07/10/22 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*07/07/22 14:51*	*07/10/22 11:23*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*07/07/22 14:51*	*07/10/22 11:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/01/22 08:22	07/02/22 13:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/01/22 08:22	07/02/22 13:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/01/22 08:22	07/02/22 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*07/01/22 08:22*	*07/02/22 13:29*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*07/01/22 08:22*	*07/02/22 13:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.6**		4.98		mg/Kg			07/05/22 14:31	1

Client Sample ID: S-16 3'

Date Collected: 06/29/22 13:31
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-22

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 11:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 11:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 11:43	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/07/22 14:51	07/10/22 11:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 11:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/07/22 14:51	07/10/22 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*07/07/22 14:51*	*07/10/22 11:43*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*07/07/22 14:51*	*07/10/22 11:43*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-16 3'

Date Collected: 06/29/22 13:31
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-22
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 13:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 13:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*07/01/22 08:22*	*07/02/22 13:50*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*07/01/22 08:22*	*07/02/22 13:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4780**		25.0		mg/Kg			07/05/22 14:54	5

Client Sample ID: S-16 5'

Date Collected: 06/29/22 13:32
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-23
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 12:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 12:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 12:04	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/07/22 14:51	07/10/22 12:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/07/22 14:51	07/10/22 12:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/07/22 14:51	07/10/22 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/07/22 14:51*	*07/10/22 12:04*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*07/07/22 14:51*	*07/10/22 12:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**52.6**		49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 14:12	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-16 5'

Lab Sample ID: 880-16508-23
Matrix: Solid
Date Collected: 06/29/22 13:32
Date Received: 06/30/22 15:58

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	52.6		49.9		mg/Kg		07/01/22 08:22	07/02/22 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*07/01/22 08:22*	*07/02/22 14:12*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*07/01/22 08:22*	*07/02/22 14:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3670		24.9		mg/Kg			07/05/22 15:02	5

Client Sample ID: S-16 10'

Lab Sample ID: 880-16508-24
Matrix: Solid
Date Collected: 06/29/22 13:33
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 12:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 12:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 12:24	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/07/22 14:51	07/10/22 12:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/07/22 14:51	07/10/22 12:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/07/22 14:51	07/10/22 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/07/22 14:51*	*07/10/22 12:24*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*07/07/22 14:51*	*07/10/22 12:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 14:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 14:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*07/01/22 08:22*	*07/02/22 14:34*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*07/01/22 08:22*	*07/02/22 14:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3650		25.0		mg/Kg			07/05/22 15:10	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-17 1'

Date Collected: 06/29/22 13:05
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-25
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 12:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 12:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 12:45	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/07/22 14:51	07/10/22 12:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/07/22 14:51	07/10/22 12:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/07/22 14:51	07/10/22 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/07/22 14:51*	*07/10/22 12:45*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/07/22 14:51*	*07/10/22 12:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**84.1**		50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**84.1**		50.0		mg/Kg		07/01/22 08:22	07/02/22 14:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 14:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*07/01/22 08:22*	*07/02/22 14:55*	*1*
o-Terphenyl (Surr)	*117*		*70 - 130*	*07/01/22 08:22*	*07/02/22 14:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5760**		49.7		mg/Kg			07/05/22 15:18	10

Client Sample ID: S-17 3'

Date Collected: 06/29/22 13:06
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-26
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/07/22 15:00	07/11/22 07:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/07/22 15:00	07/11/22 07:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/07/22 15:00	07/11/22 07:27	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/07/22 15:00	07/11/22 07:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/07/22 15:00	07/11/22 07:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/07/22 15:00	07/11/22 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/07/22 15:00*	*07/11/22 07:27*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/07/22 15:00*	*07/11/22 07:27*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-17 3'

Date Collected: 06/29/22 13:06
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-26
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 15:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 15:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*07/01/22 08:22*	*07/02/22 15:17*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*07/01/22 08:22*	*07/02/22 15:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2070**		25.3		mg/Kg			07/05/22 15:42	5

Client Sample ID: S-17 5'

Date Collected: 06/29/22 13:07
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-27
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/07/22 15:00	07/11/22 07:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/07/22 15:00	07/11/22 07:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/07/22 15:00	07/11/22 07:47	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		07/07/22 15:00	07/11/22 07:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/07/22 15:00	07/11/22 07:47	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/07/22 15:00	07/11/22 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/07/22 15:00*	*07/11/22 07:47*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/07/22 15:00*	*07/11/22 07:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.2**		49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**57.2**		49.9		mg/Kg		07/01/22 08:22	07/02/22 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 15:39	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-17 5'

Lab Sample ID: 880-16508-27
Matrix: Solid
Date Collected: 06/29/22 13:07
Date Received: 06/30/22 15:58

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*07/01/22 08:22*	*07/02/22 15:39*	*1*
o-Terphenyl (Surr)	*115*		*70 - 130*	*07/01/22 08:22*	*07/02/22 15:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4970**		49.9		mg/Kg			07/05/22 15:49	10

Client Sample ID: S-17 10'

Lab Sample ID: 880-16508-28
Matrix: Solid
Date Collected: 06/29/22 13:08
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/22 15:00	07/11/22 08:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/07/22 15:00	07/11/22 08:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/22 15:00	07/11/22 08:08	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/07/22 15:00	07/11/22 08:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/07/22 15:00	07/11/22 08:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/07/22 15:00	07/11/22 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/07/22 15:00*	*07/11/22 08:08*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/07/22 15:00*	*07/11/22 08:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 16:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 16:22	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*07/01/22 08:22*	*07/02/22 16:22*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*07/01/22 08:22*	*07/02/22 16:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9270**		49.5		mg/Kg			07/05/22 15:57	10

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-18 1' Lab Sample ID: 880-16508-29

Date Collected: 06/29/22 12:55 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/07/22 15:00	07/11/22 08:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/07/22 15:00	07/11/22 08:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/07/22 15:00	07/11/22 08:28	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/07/22 15:00	07/11/22 08:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/07/22 15:00	07/11/22 08:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/07/22 15:00	07/11/22 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/07/22 15:00*	*07/11/22 08:28*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/07/22 15:00*	*07/11/22 08:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 16:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 16:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*07/01/22 08:22*	*07/02/22 16:43*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*07/01/22 08:22*	*07/02/22 16:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3850**		24.8		mg/Kg			07/05/22 16:05	5

Client Sample ID: S-18 3' Lab Sample ID: 880-16508-30

Date Collected: 06/29/22 12:56 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 08:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 08:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 08:48	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/07/22 15:00	07/11/22 08:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 08:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/22 15:00	07/11/22 08:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/07/22 15:00*	*07/11/22 08:48*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*07/07/22 15:00*	*07/11/22 08:48*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-18 3'

Date Collected: 06/29/22 12:56
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-30
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 17:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*07/01/22 08:22*	*07/02/22 17:05*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*07/01/22 08:22*	*07/02/22 17:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9320**		50.4		mg/Kg			07/05/22 16:13	10

Client Sample ID: S-18 5'

Date Collected: 06/29/22 12:57
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-31
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 09:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 09:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 09:09	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/07/22 15:00	07/11/22 09:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 09:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/07/22 15:00	07/11/22 09:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/07/22 15:00*	*07/11/22 09:09*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/07/22 15:00*	*07/11/22 09:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 17:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 17:27	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: S-18 5' Lab Sample ID: 880-16508-31

Date Collected: 06/29/22 12:57 **Matrix: Solid**
Date Received: 06/30/22 15:58

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*07/01/22 08:22*	*07/02/22 17:27*	*1*
o-Terphenyl (Surr)	*114*		*70 - 130*	*07/01/22 08:22*	*07/02/22 17:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5320**	**F1**	50.5		mg/Kg			07/05/22 16:21	10

Client Sample ID: S-18 10' Lab Sample ID: 880-16508-32

Date Collected: 06/29/22 12:58 **Matrix: Solid**
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/07/22 15:00	07/11/22 09:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/07/22 15:00	07/11/22 09:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/07/22 15:00	07/11/22 09:29	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/07/22 15:00	07/11/22 09:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/07/22 15:00	07/11/22 09:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/07/22 15:00	07/11/22 09:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/07/22 15:00*	*07/11/22 09:29*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/07/22 15:00*	*07/11/22 09:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 17:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 17:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*07/01/22 08:22*	*07/02/22 17:48*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*07/01/22 08:22*	*07/02/22 17:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.4**		4.97		mg/Kg			07/05/22 16:44	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-19 1'

Date Collected: 06/29/22 11:40
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-33

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/07/22 15:00	07/11/22 09:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/07/22 15:00	07/11/22 09:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/07/22 15:00	07/11/22 09:50	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/07/22 15:00	07/11/22 09:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/07/22 15:00	07/11/22 09:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/07/22 15:00	07/11/22 09:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/07/22 15:00*	*07/11/22 09:50*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*07/07/22 15:00*	*07/11/22 09:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*07/01/22 08:22*	*07/02/22 18:10*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*07/01/22 08:22*	*07/02/22 18:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.3**		4.98		mg/Kg			07/05/22 16:52	1

Client Sample ID: S-19 3'

Date Collected: 06/29/22 11:41
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-34

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 10:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 10:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 10:10	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/07/22 15:00	07/11/22 10:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 10:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/07/22 15:00	07/11/22 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/07/22 15:00*	*07/11/22 10:10*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/07/22 15:00*	*07/11/22 10:10*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-19 3'

Date Collected: 06/29/22 11:41
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-34
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 18:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 18:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*07/01/22 08:22*	*07/02/22 18:31*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*07/01/22 08:22*	*07/02/22 18:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6300**		49.8		mg/Kg			07/05/22 17:16	10

Client Sample ID: S-19 5'

Date Collected: 06/29/22 11:42
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-35
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 10:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 10:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 10:31	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/07/22 15:00	07/11/22 10:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 15:00	07/11/22 10:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/07/22 15:00	07/11/22 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/07/22 15:00*	*07/11/22 10:31*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/07/22 15:00*	*07/11/22 10:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/01/22 08:22	07/02/22 18:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/01/22 08:22	07/02/22 18:53	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-19 5'

Lab Sample ID: 880-16508-35
Matrix: Solid
Date Collected: 06/29/22 11:42
Date Received: 06/30/22 15:58

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/01/22 08:22	07/02/22 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*07/01/22 08:22*	*07/02/22 18:53*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*07/01/22 08:22*	*07/02/22 18:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13100**		99.0		mg/Kg			07/05/22 17:24	20

Client Sample ID: S-19 10'

Lab Sample ID: 880-16508-36
Matrix: Solid
Date Collected: 06/29/22 11:43
Date Received: 06/30/22 15:58

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/07/22 15:00	07/11/22 12:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/07/22 15:00	07/11/22 12:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/07/22 15:00	07/11/22 12:22	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/07/22 15:00	07/11/22 12:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/07/22 15:00	07/11/22 12:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/07/22 15:00	07/11/22 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/07/22 15:00*	*07/11/22 12:22*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*07/07/22 15:00*	*07/11/22 12:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/05/22 11:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 19:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 19:14	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*07/01/22 08:22*	*07/02/22 19:14*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*07/01/22 08:22*	*07/02/22 19:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3090**		24.8		mg/Kg			07/05/22 17:32	5

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-16508-1	S-3 1'	105	96
880-16508-2	S-3 3'	115	98
880-16508-3	S-3 5'	110	100
880-16508-4	S-3 10'	120	102
880-16508-5	S-4 1'	117	103
880-16508-6	S-4 3'	115	94
880-16508-6 MS	S-4 3'	110	93
880-16508-6 MSD	S-4 3'	87	102
880-16508-7	S-4 5'	118	93
880-16508-8	S-4 10'	105	96
880-16508-9	S-8 1'	109	87
880-16508-10	S-8 3'	107	92
880-16508-11	S-8 5'	109	92
880-16508-12	S-8 10'	107	95
880-16508-13	S-10 1'	107	97
880-16508-14	S-10 3'	113	98
880-16508-15	S-10 5'	113	93
880-16508-16	S-10 10'	117	98
880-16508-17	S-11 1'	82	91
880-16508-18	S-11 3'	105	96
880-16508-19	S-11 5'	107	93
880-16508-20	S-11 10'	116	98
880-16508-21	S-16 1'	95	118
880-16508-22	S-16 3'	116	101
880-16508-23	S-16 5'	115	102
880-16508-24	S-16 10'	117	103
880-16508-25	S-17 1'	111	94
880-16508-26	S-17 3'	114	98
880-16508-26 MS	S-17 3'	110	93
880-16508-26 MSD	S-17 3'	109	95
880-16508-27	S-17 5'	111	98
880-16508-28	S-17 10'	111	96
880-16508-29	S-18 1'	110	100
880-16508-30	S-18 3'	114	102
880-16508-31	S-18 5'	112	95
880-16508-32	S-18 10'	111	100
880-16508-33	S-19 1'	109	103
880-16508-34	S-19 3'	109	99
880-16508-35	S-19 5'	112	99
880-16508-36	S-19 10'	112	101
880-16557-A-5-E MS	Matrix Spike	111	103
880-16557-A-5-F MSD	Matrix Spike Duplicate	108	98
LCS 880-29191/1-A	Lab Control Sample	105	100
LCS 880-29218/1-A	Lab Control Sample	123	95
LCS 880-29219/1-A	Lab Control Sample	109	94
LCSD 880-29191/2-A	Lab Control Sample Dup	109	97
LCSD 880-29218/2-A	Lab Control Sample Dup	112	95
LCSD 880-29219/2-A	Lab Control Sample Dup	108	92
MB 880-28771/5-A	Method Blank	101	98

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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 880-29191/5-A	Method Blank	103	99
MB 880-29212/5-A	Method Blank	104	99
MB 880-29218/5-A	Method Blank	101	96
MB 880-29219/5-A	Method Blank	105	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-16373-A-38-E MS	Matrix Spike	90	82
880-16373-A-38-F MSD	Matrix Spike Duplicate	90	87
880-16508-1	S-3 1'	105	106
880-16508-1 MS	S-3 1'	92	93
880-16508-1 MSD	S-3 1'	91	90
880-16508-2	S-3 3'	120	126
880-16508-3	S-3 5'	108	116
880-16508-4	S-3 10'	107	112
880-16508-5	S-4 1'	124	130
880-16508-6	S-4 3'	107	114
880-16508-7	S-4 5'	137 S1+	139 S1+
880-16508-8	S-4 10'	127	128
880-16508-9	S-8 1'	114	119
880-16508-10	S-8 3'	110	116
880-16508-11	S-8 5'	106	109
880-16508-12	S-8 10'	99	105
880-16508-13	S-10 1'	116	125
880-16508-14	S-10 3'	107	115
880-16508-15	S-10 5'	118	122
880-16508-16	S-10 10'	123	128
880-16508-17	S-11 1'	108	118
880-16508-18	S-11 3'	106	111
880-16508-19	S-11 5'	106	110
880-16508-20	S-11 10'	111	120
880-16508-21	S-16 1'	92	100
880-16508-22	S-16 3'	91	98
880-16508-23	S-16 5'	92	98
880-16508-24	S-16 10'	102	113
880-16508-25	S-17 1'	106	117
880-16508-26	S-17 3'	92	99
880-16508-27	S-17 5'	104	115
880-16508-28	S-17 10'	93	101
880-16508-29	S-18 1'	102	110
880-16508-30	S-18 3'	109	118
880-16508-31	S-18 5'	103	114
880-16508-32	S-18 10'	98	103

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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)
880-16508-33	S-19 1'	93	96
880-16508-34	S-19 3'	96	103
880-16508-35	S-19 5'	96	103
880-16508-36	S-19 10'	99	107
LCS 880-28805/2-A	Lab Control Sample	103	96
LCS 880-28827/2-A	Lab Control Sample	83	84
LCSD 880-28805/3-A	Lab Control Sample Dup	107	105
LCSD 880-28827/3-A	Lab Control Sample Dup	78	80
MB 880-28805/1-A	Method Blank	114	114
MB 880-28827/1-A	Method Blank	109	120

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28771/5-A
Matrix: Solid
Analysis Batch: 29357

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28771

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 16:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 16:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 16:41	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/30/22 15:42	07/09/22 16:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 16:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/22 15:42	07/09/22 16:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/30/22 15:42*	*07/09/22 16:41*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/30/22 15:42*	*07/09/22 16:41*	*1*

Lab Sample ID: MB 880-29191/5-A
Matrix: Solid
Analysis Batch: 29173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29191

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 12:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 12:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 12:31	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/07/22 10:17	07/07/22 12:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 12:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/22 10:17	07/07/22 12:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*07/07/22 10:17*	*07/07/22 12:31*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/07/22 10:17*	*07/07/22 12:31*	*1*

Lab Sample ID: LCS 880-29191/1-A
Matrix: Solid
Analysis Batch: 29173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29191

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09870		mg/Kg		99	70 - 130		
Toluene			0.100	0.1043		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.08958		mg/Kg		90	70 - 130		
m,p-Xylenes			0.200	0.1825		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.1042		mg/Kg		104	70 - 130		

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

Lab Sample ID: LCSD 880-29191/2-A
Matrix: Solid
Analysis Batch: 29173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 29191

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09476		mg/Kg		95	70 - 130	4	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

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

Lab Sample ID: LCSD 880-29191/2-A
Matrix: Solid
Analysis Batch: 29173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 29191

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1077		mg/Kg		108	70 - 130	3	35
Ethylbenzene			0.100	0.09471		mg/Kg		95	70 - 130	6	35
m,p-Xylenes			0.200	0.1942		mg/Kg		97	70 - 130	6	35
o-Xylene			0.100	0.1100		mg/Kg		110	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-16557-A-5-E MS
Matrix: Solid
Analysis Batch: 29173

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 29191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.09714		mg/Kg		96	70 - 130
Toluene	<0.00199	U	0.101	0.1018		mg/Kg		101	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.08591		mg/Kg		85	70 - 130
m,p-Xylenes	<0.00398	U	0.202	0.1763		mg/Kg		87	70 - 130
o-Xylene	<0.00199	U	0.101	0.09959		mg/Kg		99	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-16557-A-5-F MSD
Matrix: Solid
Analysis Batch: 29173

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 29191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09385		mg/Kg		94	70 - 130	3	35
Toluene	<0.00199	U	0.100	0.1051		mg/Kg		105	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.100	0.09028		mg/Kg		90	70 - 130	5	35
m,p-Xylenes	<0.00398	U	0.200	0.1853		mg/Kg		92	70 - 130	5	35
o-Xylene	<0.00199	U	0.100	0.1044		mg/Kg		104	70 - 130	5	35

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

Lab Sample ID: MB 880-29212/5-A
Matrix: Solid
Analysis Batch: 29365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29212

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:20	07/10/22 19:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:20	07/10/22 19:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:20	07/10/22 19:22	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/07/22 14:20	07/10/22 19:22	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

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

Lab Sample ID: MB 880-29212/5-A
Matrix: Solid
Analysis Batch: 29365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29212

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:20	07/10/22 19:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/22 14:20	07/10/22 19:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*07/07/22 14:20*	*07/10/22 19:22*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/07/22 14:20*	*07/10/22 19:22*	*1*

Lab Sample ID: MB 880-29218/5-A
Matrix: Solid
Analysis Batch: 29357

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29218

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 04:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 04:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 04:18	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/07/22 14:51	07/10/22 04:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:51	07/10/22 04:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/22 14:51	07/10/22 04:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*07/07/22 14:51*	*07/10/22 04:18*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/07/22 14:51*	*07/10/22 04:18*	*1*

Lab Sample ID: LCS 880-29218/1-A
Matrix: Solid
Analysis Batch: 29357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29218

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09413		mg/Kg		94	70 - 130		
Toluene			0.100	0.1128		mg/Kg		113	70 - 130		
Ethylbenzene			0.100	0.1015		mg/Kg		101	70 - 130		
m,p-Xylenes			0.200	0.2102		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1233		mg/Kg		123	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-29218/2-A
Matrix: Solid
Analysis Batch: 29357

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 29218

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09390		mg/Kg		94	70 - 130	0	35
Toluene			0.100	0.1111		mg/Kg		111	70 - 130	2	35
Ethylbenzene			0.100	0.09779		mg/Kg		98	70 - 130	4	35
m,p-Xylenes			0.200	0.2005		mg/Kg		100	70 - 130	5	35
o-Xylene			0.100	0.1152		mg/Kg		115	70 - 130	7	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-16508-6 MS — **Client Sample ID: S-4 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29357 — **Prep Batch: 29218**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1 F2	0.101	0.07145		mg/Kg		71	70 - 130
Toluene	<0.00199	U F1 F2	0.101	0.08567		mg/Kg		85	70 - 130
Ethylbenzene	<0.00199	U F1 F2	0.101	0.07591		mg/Kg		75	70 - 130
m,p-Xylenes	<0.00398	U F1 F2	0.201	0.1566		mg/Kg		78	70 - 130
o-Xylene	<0.00199	U F1 F2	0.101	0.09125		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-16508-6 MSD — **Client Sample ID: S-4 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29357 — **Prep Batch: 29218**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1 F2	0.100	0.01472	F1 F2	mg/Kg		15	70 - 130	132	35
Toluene	<0.00199	U F1 F2	0.100	0.01682	F1 F2	mg/Kg		17	70 - 130	134	35
Ethylbenzene	<0.00199	U F1 F2	0.100	0.01503	F1 F2	mg/Kg		15	70 - 130	134	35
m,p-Xylenes	<0.00398	U F1 F2	0.200	0.03244	F1 F2	mg/Kg		16	70 - 130	131	35
o-Xylene	<0.00199	U F1 F2	0.100	0.01973	F1 F2	mg/Kg		20	70 - 130	129	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-29219/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29365 — **Prep Batch: 29219**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/07/22 15:00	07/11/22 06:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/07/22 15:00	07/11/22 06:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/07/22 15:00	07/11/22 06:58	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/07/22 15:00	07/11/22 06:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/07/22 15:00	07/11/22 06:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/07/22 15:00	07/11/22 06:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/07/22 15:00	07/11/22 06:58	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/07/22 15:00	07/11/22 06:58	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

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

Lab Sample ID: LCS 880-29219/1-A
Matrix: Solid
Analysis Batch: 29365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29219

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08825		mg/Kg		88	70 - 130		
Toluene			0.100	0.1052		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.09230		mg/Kg		92	70 - 130		
m,p-Xylenes			0.200	0.1890		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.1106		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-29219/2-A
Matrix: Solid
Analysis Batch: 29365

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 29219

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08703		mg/Kg		87	70 - 130	1	35
Toluene			0.100	0.1029		mg/Kg		103	70 - 130	2	35
Ethylbenzene			0.100	0.09136		mg/Kg		91	70 - 130	1	35
m,p-Xylenes			0.200	0.1873		mg/Kg		94	70 - 130	1	35
o-Xylene			0.100	0.1085		mg/Kg		108	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-16508-26 MS
Matrix: Solid
Analysis Batch: 29365

Client Sample ID: S-17 3'
Prep Type: Total/NA
Prep Batch: 29219

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.101	0.09010		mg/Kg		89	70 - 130		
Toluene	<0.00199	U	0.101	0.1049		mg/Kg		104	70 - 130		
Ethylbenzene	<0.00199	U	0.101	0.09144		mg/Kg		91	70 - 130		
m,p-Xylenes	<0.00398	U	0.202	0.1869		mg/Kg		93	70 - 130		
o-Xylene	<0.00199	U	0.101	0.1081		mg/Kg		107	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-16508-26 MSD
Matrix: Solid
Analysis Batch: 29365

Client Sample ID: S-17 3'
Prep Type: Total/NA
Prep Batch: 29219

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09103		mg/Kg		91	70 - 130	1	35
Toluene	<0.00199	U	0.100	0.09952		mg/Kg		99	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.100	0.08638		mg/Kg		86	70 - 130	6	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

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

Lab Sample ID: 880-16508-26 MSD — **Client Sample ID: S-17 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 29365 — **Prep Batch: 29219**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	<0.00398	U	0.200	0.1753		mg/Kg		87	70 - 130	6	35
o-Xylene	<0.00199	U	0.100	0.1019		mg/Kg		102	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: MB 880-28805/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28916 — **Prep Batch: 28805**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 10:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 10:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*07/01/22 08:22*	*07/02/22 10:34*	*1*
o-Terphenyl (Surr)	*114*		*70 - 130*	*07/01/22 08:22*	*07/02/22 10:34*	*1*

Lab Sample ID: LCS 880-28805/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28916 — **Prep Batch: 28805**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	852.2		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	968.8		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*103*		*70 - 130*
o-Terphenyl (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-28805/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28916 — **Prep Batch: 28805**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	965.3		mg/Kg		97	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1036		mg/Kg		104	70 - 130	7	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

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

Lab Sample ID: LCSD 880-28805/3-A
Matrix: Solid
Analysis Batch: 28916

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28805

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*107*		*70 - 130*
o-Terphenyl (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-16373-A-38-E MS
Matrix: Solid
Analysis Batch: 28916

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 28805

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	790.0		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	708.5		mg/Kg		70	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*90*		*70 - 130*
o-Terphenyl (Surr)	*82*		*70 - 130*

Lab Sample ID: 880-16373-A-38-F MSD
Matrix: Solid
Analysis Batch: 28916

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 28805

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	808.4		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	736.3		mg/Kg		72	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*90*		*70 - 130*
o-Terphenyl (Surr)	*87*		*70 - 130*

Lab Sample ID: MB 880-28827/1-A
Matrix: Solid
Analysis Batch: 28801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28827

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/01/22 19:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/01/22 19:45	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 10:09	07/01/22 19:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*07/01/22 10:09*	*07/01/22 19:45*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*07/01/22 10:09*	*07/01/22 19:45*	*1*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

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

Lab Sample ID: LCS 880-28827/2-A
Matrix: Solid
Analysis Batch: 28801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28827

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1132		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	935.8		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*83*		*70 - 130*
o-Terphenyl (Surr)	*84*		*70 - 130*

Lab Sample ID: LCSD 880-28827/3-A
Matrix: Solid
Analysis Batch: 28801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28827

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	963.8		mg/Kg		96	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	884.5		mg/Kg		88	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*78*		*70 - 130*
o-Terphenyl (Surr)	*80*		*70 - 130*

Lab Sample ID: 880-16508-1 MS
Matrix: Solid
Analysis Batch: 28801

Client Sample ID: S-3 1'
Prep Type: Total/NA
Prep Batch: 28827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	996	1012		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	741.6		mg/Kg		74	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*92*		*70 - 130*
o-Terphenyl (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-16508-1 MSD
Matrix: Solid
Analysis Batch: 28801

Client Sample ID: S-3 1'
Prep Type: Total/NA
Prep Batch: 28827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	996	796.8	F2	mg/Kg		80	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	736.6		mg/Kg		74	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*91*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

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

Lab Sample ID: 880-16508-1 MSD
Matrix: Solid
Analysis Batch: 28801

Client Sample ID: S-3 1'
Prep Type: Total/NA
Prep Batch: 28827

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28846/1-A
Matrix: Solid
Analysis Batch: 29060

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/05/22 14:07	1

Lab Sample ID: LCS 880-28846/2-A
Matrix: Solid
Analysis Batch: 29060

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.5		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-28846/3-A
Matrix: Solid
Analysis Batch: 29060

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-16508-21 MS
Matrix: Solid
Analysis Batch: 29060

Client Sample ID: S-16 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	80.6		249	329.9		mg/Kg		100	90 - 110		

Lab Sample ID: 880-16508-21 MSD
Matrix: Solid
Analysis Batch: 29060

Client Sample ID: S-16 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.6		249	330.4		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-16508-31 MS
Matrix: Solid
Analysis Batch: 29060

Client Sample ID: S-18 5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5320	F1	2530	8719	F1	mg/Kg		135	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-16508-31 MSD — **Client Sample ID: S-18 5'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 29060

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5320	F1	2530	8716	F1	mg/Kg		135	90 - 110	0	20

Lab Sample ID: MB 880-28844/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 29190

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/07/22 17:10	1

Lab Sample ID: LCS 880-28844/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 29190

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	240.3		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-28844/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 29190

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242.1		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-16508-1 MS — **Client Sample ID: S-3 1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 29190

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	59.0		249	322.8		mg/Kg		106	90 - 110		

Lab Sample ID: 880-16508-1 MSD — **Client Sample ID: S-3 1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 29190

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	59.0		249	324.9		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-16508-11 MS — **Client Sample ID: S-8 5'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 29190

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	13.3	F1	248	284.6		mg/Kg		110	90 - 110		

Lab Sample ID: 880-16508-11 MSD — **Client Sample ID: S-8 5'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 29190

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13.3	F1	248	290.1	F1	mg/Kg		112	90 - 110	2	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

GC VOA

Prep Batch: 28771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28771/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 29173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-1	S-3 1'	Total/NA	Solid	8021B	29191
880-16508-2	S-3 3'	Total/NA	Solid	8021B	29191
880-16508-3	S-3 5'	Total/NA	Solid	8021B	29191
880-16508-4	S-3 10'	Total/NA	Solid	8021B	29191
880-16508-5	S-4 1'	Total/NA	Solid	8021B	29191
MB 880-29191/5-A	Method Blank	Total/NA	Solid	8021B	29191
LCS 880-29191/1-A	Lab Control Sample	Total/NA	Solid	8021B	29191
LCSD 880-29191/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29191
880-16557-A-5-E MS	Matrix Spike	Total/NA	Solid	8021B	29191
880-16557-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29191

Prep Batch: 29191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-1	S-3 1'	Total/NA	Solid	5035	
880-16508-2	S-3 3'	Total/NA	Solid	5035	
880-16508-3	S-3 5'	Total/NA	Solid	5035	
880-16508-4	S-3 10'	Total/NA	Solid	5035	
880-16508-5	S-4 1'	Total/NA	Solid	5035	
MB 880-29191/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29191/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29191/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16557-A-5-E MS	Matrix Spike	Total/NA	Solid	5035	
880-16557-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 29212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-29212/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 29218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-6	S-4 3'	Total/NA	Solid	5035	
880-16508-7	S-4 5'	Total/NA	Solid	5035	
880-16508-8	S-4 10'	Total/NA	Solid	5035	
880-16508-9	S-8 1'	Total/NA	Solid	5035	
880-16508-10	S-8 3'	Total/NA	Solid	5035	
880-16508-11	S-8 5'	Total/NA	Solid	5035	
880-16508-12	S-8 10'	Total/NA	Solid	5035	
880-16508-13	S-10 1'	Total/NA	Solid	5035	
880-16508-14	S-10 3'	Total/NA	Solid	5035	
880-16508-15	S-10 5'	Total/NA	Solid	5035	
880-16508-16	S-10 10'	Total/NA	Solid	5035	
880-16508-17	S-11 1'	Total/NA	Solid	5035	
880-16508-18	S-11 3'	Total/NA	Solid	5035	
880-16508-19	S-11 5'	Total/NA	Solid	5035	
880-16508-20	S-11 10'	Total/NA	Solid	5035	
880-16508-21	S-16 1'	Total/NA	Solid	5035	
880-16508-22	S-16 3'	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

GC VOA (Continued)

Prep Batch: 29218 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-23	S-16 5'	Total/NA	Solid	5035	
880-16508-24	S-16 10'	Total/NA	Solid	5035	
880-16508-25	S-17 1'	Total/NA	Solid	5035	
MB 880-29218/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29218/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29218/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16508-6 MS	S-4 3'	Total/NA	Solid	5035	
880-16508-6 MSD	S-4 3'	Total/NA	Solid	5035	

Prep Batch: 29219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-26	S-17 3'	Total/NA	Solid	5035	
880-16508-27	S-17 5'	Total/NA	Solid	5035	
880-16508-28	S-17 10'	Total/NA	Solid	5035	
880-16508-29	S-18 1'	Total/NA	Solid	5035	
880-16508-30	S-18 3'	Total/NA	Solid	5035	
880-16508-31	S-18 5'	Total/NA	Solid	5035	
880-16508-32	S-18 10'	Total/NA	Solid	5035	
880-16508-33	S-19 1'	Total/NA	Solid	5035	
880-16508-34	S-19 3'	Total/NA	Solid	5035	
880-16508-35	S-19 5'	Total/NA	Solid	5035	
880-16508-36	S-19 10'	Total/NA	Solid	5035	
MB 880-29219/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29219/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29219/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16508-26 MS	S-17 3'	Total/NA	Solid	5035	
880-16508-26 MSD	S-17 3'	Total/NA	Solid	5035	

Analysis Batch: 29328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-1	S-3 1'	Total/NA	Solid	Total BTEX	
880-16508-2	S-3 3'	Total/NA	Solid	Total BTEX	
880-16508-3	S-3 5'	Total/NA	Solid	Total BTEX	
880-16508-4	S-3 10'	Total/NA	Solid	Total BTEX	
880-16508-5	S-4 1'	Total/NA	Solid	Total BTEX	
880-16508-6	S-4 3'	Total/NA	Solid	Total BTEX	
880-16508-7	S-4 5'	Total/NA	Solid	Total BTEX	
880-16508-8	S-4 10'	Total/NA	Solid	Total BTEX	
880-16508-9	S-8 1'	Total/NA	Solid	Total BTEX	
880-16508-10	S-8 3'	Total/NA	Solid	Total BTEX	
880-16508-11	S-8 5'	Total/NA	Solid	Total BTEX	
880-16508-12	S-8 10'	Total/NA	Solid	Total BTEX	
880-16508-13	S-10 1'	Total/NA	Solid	Total BTEX	
880-16508-14	S-10 3'	Total/NA	Solid	Total BTEX	
880-16508-15	S-10 5'	Total/NA	Solid	Total BTEX	
880-16508-16	S-10 10'	Total/NA	Solid	Total BTEX	
880-16508-17	S-11 1'	Total/NA	Solid	Total BTEX	
880-16508-18	S-11 3'	Total/NA	Solid	Total BTEX	
880-16508-19	S-11 5'	Total/NA	Solid	Total BTEX	
880-16508-20	S-11 10'	Total/NA	Solid	Total BTEX	
880-16508-21	S-16 1'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

GC VOA (Continued)

Analysis Batch: 29328 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-22	S-16 3'	Total/NA	Solid	Total BTEX	
880-16508-23	S-16 5'	Total/NA	Solid	Total BTEX	
880-16508-24	S-16 10'	Total/NA	Solid	Total BTEX	
880-16508-25	S-17 1'	Total/NA	Solid	Total BTEX	
880-16508-26	S-17 3'	Total/NA	Solid	Total BTEX	
880-16508-27	S-17 5'	Total/NA	Solid	Total BTEX	
880-16508-28	S-17 10'	Total/NA	Solid	Total BTEX	
880-16508-29	S-18 1'	Total/NA	Solid	Total BTEX	
880-16508-30	S-18 3'	Total/NA	Solid	Total BTEX	
880-16508-31	S-18 5'	Total/NA	Solid	Total BTEX	
880-16508-32	S-18 10'	Total/NA	Solid	Total BTEX	
880-16508-33	S-19 1'	Total/NA	Solid	Total BTEX	
880-16508-34	S-19 3'	Total/NA	Solid	Total BTEX	
880-16508-35	S-19 5'	Total/NA	Solid	Total BTEX	
880-16508-36	S-19 10'	Total/NA	Solid	Total BTEX	

Analysis Batch: 29357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-6	S-4 3'	Total/NA	Solid	8021B	29218
880-16508-7	S-4 5'	Total/NA	Solid	8021B	29218
880-16508-8	S-4 10'	Total/NA	Solid	8021B	29218
880-16508-9	S-8 1'	Total/NA	Solid	8021B	29218
880-16508-10	S-8 3'	Total/NA	Solid	8021B	29218
880-16508-11	S-8 5'	Total/NA	Solid	8021B	29218
880-16508-12	S-8 10'	Total/NA	Solid	8021B	29218
880-16508-13	S-10 1'	Total/NA	Solid	8021B	29218
880-16508-14	S-10 3'	Total/NA	Solid	8021B	29218
880-16508-15	S-10 5'	Total/NA	Solid	8021B	29218
880-16508-16	S-10 10'	Total/NA	Solid	8021B	29218
880-16508-17	S-11 1'	Total/NA	Solid	8021B	29218
880-16508-18	S-11 3'	Total/NA	Solid	8021B	29218
880-16508-19	S-11 5'	Total/NA	Solid	8021B	29218
880-16508-20	S-11 10'	Total/NA	Solid	8021B	29218
880-16508-21	S-16 1'	Total/NA	Solid	8021B	29218
880-16508-22	S-16 3'	Total/NA	Solid	8021B	29218
880-16508-23	S-16 5'	Total/NA	Solid	8021B	29218
880-16508-24	S-16 10'	Total/NA	Solid	8021B	29218
880-16508-25	S-17 1'	Total/NA	Solid	8021B	29218
MB 880-28771/5-A	Method Blank	Total/NA	Solid	8021B	28771
MB 880-29218/5-A	Method Blank	Total/NA	Solid	8021B	29218
LCS 880-29218/1-A	Lab Control Sample	Total/NA	Solid	8021B	29218
LCSD 880-29218/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29218
880-16508-6 MS	S-4 3'	Total/NA	Solid	8021B	29218
880-16508-6 MSD	S-4 3'	Total/NA	Solid	8021B	29218

Analysis Batch: 29365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-26	S-17 3'	Total/NA	Solid	8021B	29219
880-16508-27	S-17 5'	Total/NA	Solid	8021B	29219
880-16508-28	S-17 10'	Total/NA	Solid	8021B	29219
880-16508-29	S-18 1'	Total/NA	Solid	8021B	29219

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

GC VOA (Continued)

Analysis Batch: 29365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-30	S-18 3'	Total/NA	Solid	8021B	29219
880-16508-31	S-18 5'	Total/NA	Solid	8021B	29219
880-16508-32	S-18 10'	Total/NA	Solid	8021B	29219
880-16508-33	S-19 1'	Total/NA	Solid	8021B	29219
880-16508-34	S-19 3'	Total/NA	Solid	8021B	29219
880-16508-35	S-19 5'	Total/NA	Solid	8021B	29219
880-16508-36	S-19 10'	Total/NA	Solid	8021B	29219
MB 880-29212/5-A	Method Blank	Total/NA	Solid	8021B	29212
MB 880-29219/5-A	Method Blank	Total/NA	Solid	8021B	29219
LCS 880-29219/1-A	Lab Control Sample	Total/NA	Solid	8021B	29219
LCSD 880-29219/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29219
880-16508-26 MS	S-17 3'	Total/NA	Solid	8021B	29219
880-16508-26 MSD	S-17 3'	Total/NA	Solid	8021B	29219

GC Semi VOA

Analysis Batch: 28801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-1	S-3 1'	Total/NA	Solid	8015B NM	28827
880-16508-2	S-3 3'	Total/NA	Solid	8015B NM	28827
880-16508-3	S-3 5'	Total/NA	Solid	8015B NM	28827
880-16508-4	S-3 10'	Total/NA	Solid	8015B NM	28827
880-16508-5	S-4 1'	Total/NA	Solid	8015B NM	28827
880-16508-6	S-4 3'	Total/NA	Solid	8015B NM	28827
880-16508-7	S-4 5'	Total/NA	Solid	8015B NM	28827
880-16508-8	S-4 10'	Total/NA	Solid	8015B NM	28827
880-16508-9	S-8 1'	Total/NA	Solid	8015B NM	28827
880-16508-10	S-8 3'	Total/NA	Solid	8015B NM	28827
880-16508-11	S-8 5'	Total/NA	Solid	8015B NM	28827
880-16508-12	S-8 10'	Total/NA	Solid	8015B NM	28827
880-16508-13	S-10 1'	Total/NA	Solid	8015B NM	28827
880-16508-14	S-10 3'	Total/NA	Solid	8015B NM	28827
880-16508-15	S-10 5'	Total/NA	Solid	8015B NM	28827
880-16508-16	S-10 10'	Total/NA	Solid	8015B NM	28827
880-16508-17	S-11 1'	Total/NA	Solid	8015B NM	28827
880-16508-18	S-11 3'	Total/NA	Solid	8015B NM	28827
880-16508-19	S-11 5'	Total/NA	Solid	8015B NM	28827
880-16508-20	S-11 10'	Total/NA	Solid	8015B NM	28827
MB 880-28827/1-A	Method Blank	Total/NA	Solid	8015B NM	28827
LCS 880-28827/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28827
LCSD 880-28827/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28827
880-16508-1 MS	S-3 1'	Total/NA	Solid	8015B NM	28827
880-16508-1 MSD	S-3 1'	Total/NA	Solid	8015B NM	28827

Prep Batch: 28805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-21	S-16 1'	Total/NA	Solid	8015NM Prep	
880-16508-22	S-16 3'	Total/NA	Solid	8015NM Prep	
880-16508-23	S-16 5'	Total/NA	Solid	8015NM Prep	
880-16508-24	S-16 10'	Total/NA	Solid	8015NM Prep	
880-16508-25	S-17 1'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

GC Semi VOA (Continued)

Prep Batch: 28805 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-26	S-17 3'	Total/NA	Solid	8015NM Prep	
880-16508-27	S-17 5'	Total/NA	Solid	8015NM Prep	
880-16508-28	S-17 10'	Total/NA	Solid	8015NM Prep	
880-16508-29	S-18 1'	Total/NA	Solid	8015NM Prep	
880-16508-30	S-18 3'	Total/NA	Solid	8015NM Prep	
880-16508-31	S-18 5'	Total/NA	Solid	8015NM Prep	
880-16508-32	S-18 10'	Total/NA	Solid	8015NM Prep	
880-16508-33	S-19 1'	Total/NA	Solid	8015NM Prep	
880-16508-34	S-19 3'	Total/NA	Solid	8015NM Prep	
880-16508-35	S-19 5'	Total/NA	Solid	8015NM Prep	
880-16508-36	S-19 10'	Total/NA	Solid	8015NM Prep	
MB 880-28805/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28805/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16373-A-38-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16373-A-38-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 28827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-1	S-3 1'	Total/NA	Solid	8015NM Prep	
880-16508-2	S-3 3'	Total/NA	Solid	8015NM Prep	
880-16508-3	S-3 5'	Total/NA	Solid	8015NM Prep	
880-16508-4	S-3 10'	Total/NA	Solid	8015NM Prep	
880-16508-5	S-4 1'	Total/NA	Solid	8015NM Prep	
880-16508-6	S-4 3'	Total/NA	Solid	8015NM Prep	
880-16508-7	S-4 5'	Total/NA	Solid	8015NM Prep	
880-16508-8	S-4 10'	Total/NA	Solid	8015NM Prep	
880-16508-9	S-8 1'	Total/NA	Solid	8015NM Prep	
880-16508-10	S-8 3'	Total/NA	Solid	8015NM Prep	
880-16508-11	S-8 5'	Total/NA	Solid	8015NM Prep	
880-16508-12	S-8 10'	Total/NA	Solid	8015NM Prep	
880-16508-13	S-10 1'	Total/NA	Solid	8015NM Prep	
880-16508-14	S-10 3'	Total/NA	Solid	8015NM Prep	
880-16508-15	S-10 5'	Total/NA	Solid	8015NM Prep	
880-16508-16	S-10 10'	Total/NA	Solid	8015NM Prep	
880-16508-17	S-11 1'	Total/NA	Solid	8015NM Prep	
880-16508-18	S-11 3'	Total/NA	Solid	8015NM Prep	
880-16508-19	S-11 5'	Total/NA	Solid	8015NM Prep	
880-16508-20	S-11 10'	Total/NA	Solid	8015NM Prep	
MB 880-28827/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28827/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28827/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16508-1 MS	S-3 1'	Total/NA	Solid	8015NM Prep	
880-16508-1 MSD	S-3 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-21	S-16 1'	Total/NA	Solid	8015B NM	28805
880-16508-22	S-16 3'	Total/NA	Solid	8015B NM	28805
880-16508-23	S-16 5'	Total/NA	Solid	8015B NM	28805
880-16508-24	S-16 10'	Total/NA	Solid	8015B NM	28805

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

GC Semi VOA (Continued)

Analysis Batch: 28916 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-25	S-17 1'	Total/NA	Solid	8015B NM	28805
880-16508-26	S-17 3'	Total/NA	Solid	8015B NM	28805
880-16508-27	S-17 5'	Total/NA	Solid	8015B NM	28805
880-16508-28	S-17 10'	Total/NA	Solid	8015B NM	28805
880-16508-29	S-18 1'	Total/NA	Solid	8015B NM	28805
880-16508-30	S-18 3'	Total/NA	Solid	8015B NM	28805
880-16508-31	S-18 5'	Total/NA	Solid	8015B NM	28805
880-16508-32	S-18 10'	Total/NA	Solid	8015B NM	28805
880-16508-33	S-19 1'	Total/NA	Solid	8015B NM	28805
880-16508-34	S-19 3'	Total/NA	Solid	8015B NM	28805
880-16508-35	S-19 5'	Total/NA	Solid	8015B NM	28805
880-16508-36	S-19 10'	Total/NA	Solid	8015B NM	28805
MB 880-28805/1-A	Method Blank	Total/NA	Solid	8015B NM	28805
LCS 880-28805/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28805
LCSD 880-28805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28805
880-16373-A-38-E MS	Matrix Spike	Total/NA	Solid	8015B NM	28805
880-16373-A-38-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	28805

Analysis Batch: 29020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-1	S-3 1'	Total/NA	Solid	8015 NM	
880-16508-2	S-3 3'	Total/NA	Solid	8015 NM	
880-16508-3	S-3 5'	Total/NA	Solid	8015 NM	
880-16508-4	S-3 10'	Total/NA	Solid	8015 NM	
880-16508-5	S-4 1'	Total/NA	Solid	8015 NM	
880-16508-6	S-4 3'	Total/NA	Solid	8015 NM	
880-16508-7	S-4 5'	Total/NA	Solid	8015 NM	
880-16508-8	S-4 10'	Total/NA	Solid	8015 NM	
880-16508-9	S-8 1'	Total/NA	Solid	8015 NM	
880-16508-10	S-8 3'	Total/NA	Solid	8015 NM	
880-16508-11	S-8 5'	Total/NA	Solid	8015 NM	
880-16508-12	S-8 10'	Total/NA	Solid	8015 NM	
880-16508-13	S-10 1'	Total/NA	Solid	8015 NM	
880-16508-14	S-10 3'	Total/NA	Solid	8015 NM	
880-16508-15	S-10 5'	Total/NA	Solid	8015 NM	
880-16508-16	S-10 10'	Total/NA	Solid	8015 NM	
880-16508-17	S-11 1'	Total/NA	Solid	8015 NM	
880-16508-18	S-11 3'	Total/NA	Solid	8015 NM	
880-16508-19	S-11 5'	Total/NA	Solid	8015 NM	
880-16508-20	S-11 10'	Total/NA	Solid	8015 NM	
880-16508-21	S-16 1'	Total/NA	Solid	8015 NM	
880-16508-22	S-16 3'	Total/NA	Solid	8015 NM	
880-16508-23	S-16 5'	Total/NA	Solid	8015 NM	
880-16508-24	S-16 10'	Total/NA	Solid	8015 NM	
880-16508-25	S-17 1'	Total/NA	Solid	8015 NM	
880-16508-26	S-17 3'	Total/NA	Solid	8015 NM	
880-16508-27	S-17 5'	Total/NA	Solid	8015 NM	
880-16508-28	S-17 10'	Total/NA	Solid	8015 NM	
880-16508-29	S-18 1'	Total/NA	Solid	8015 NM	
880-16508-30	S-18 3'	Total/NA	Solid	8015 NM	
880-16508-31	S-18 5'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

GC Semi VOA (Continued)

Analysis Batch: 29020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-32	S-18 10'	Total/NA	Solid	8015 NM	
880-16508-33	S-19 1'	Total/NA	Solid	8015 NM	
880-16508-34	S-19 3'	Total/NA	Solid	8015 NM	
880-16508-35	S-19 5'	Total/NA	Solid	8015 NM	
880-16508-36	S-19 10'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-1	S-3 1'	Soluble	Solid	DI Leach	
880-16508-2	S-3 3'	Soluble	Solid	DI Leach	
880-16508-3	S-3 5'	Soluble	Solid	DI Leach	
880-16508-4	S-3 10'	Soluble	Solid	DI Leach	
880-16508-5	S-4 1'	Soluble	Solid	DI Leach	
880-16508-6	S-4 3'	Soluble	Solid	DI Leach	
880-16508-7	S-4 5'	Soluble	Solid	DI Leach	
880-16508-8	S-4 10'	Soluble	Solid	DI Leach	
880-16508-9	S-8 1'	Soluble	Solid	DI Leach	
880-16508-10	S-8 3'	Soluble	Solid	DI Leach	
880-16508-11	S-8 5'	Soluble	Solid	DI Leach	
880-16508-12	S-8 10'	Soluble	Solid	DI Leach	
880-16508-13	S-10 1'	Soluble	Solid	DI Leach	
880-16508-14	S-10 3'	Soluble	Solid	DI Leach	
880-16508-15	S-10 5'	Soluble	Solid	DI Leach	
880-16508-16	S-10 10'	Soluble	Solid	DI Leach	
880-16508-17	S-11 1'	Soluble	Solid	DI Leach	
880-16508-18	S-11 3'	Soluble	Solid	DI Leach	
880-16508-19	S-11 5'	Soluble	Solid	DI Leach	
880-16508-20	S-11 10'	Soluble	Solid	DI Leach	
MB 880-28844/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28844/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28844/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16508-1 MS	S-3 1'	Soluble	Solid	DI Leach	
880-16508-1 MSD	S-3 1'	Soluble	Solid	DI Leach	
880-16508-11 MS	S-8 5'	Soluble	Solid	DI Leach	
880-16508-11 MSD	S-8 5'	Soluble	Solid	DI Leach	

Leach Batch: 28846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-21	S-16 1'	Soluble	Solid	DI Leach	
880-16508-22	S-16 3'	Soluble	Solid	DI Leach	
880-16508-23	S-16 5'	Soluble	Solid	DI Leach	
880-16508-24	S-16 10'	Soluble	Solid	DI Leach	
880-16508-25	S-17 1'	Soluble	Solid	DI Leach	
880-16508-26	S-17 3'	Soluble	Solid	DI Leach	
880-16508-27	S-17 5'	Soluble	Solid	DI Leach	
880-16508-28	S-17 10'	Soluble	Solid	DI Leach	
880-16508-29	S-18 1'	Soluble	Solid	DI Leach	
880-16508-30	S-18 3'	Soluble	Solid	DI Leach	
880-16508-31	S-18 5'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

HPLC/IC (Continued)

Leach Batch: 28846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-32	S-18 10'	Soluble	Solid	DI Leach	
880-16508-33	S-19 1'	Soluble	Solid	DI Leach	
880-16508-34	S-19 3'	Soluble	Solid	DI Leach	
880-16508-35	S-19 5'	Soluble	Solid	DI Leach	
880-16508-36	S-19 10'	Soluble	Solid	DI Leach	
MB 880-28846/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28846/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28846/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16508-21 MS	S-16 1'	Soluble	Solid	DI Leach	
880-16508-21 MSD	S-16 1'	Soluble	Solid	DI Leach	
880-16508-31 MS	S-18 5'	Soluble	Solid	DI Leach	
880-16508-31 MSD	S-18 5'	Soluble	Solid	DI Leach	

Analysis Batch: 29060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-21	S-16 1'	Soluble	Solid	300.0	28846
880-16508-22	S-16 3'	Soluble	Solid	300.0	28846
880-16508-23	S-16 5'	Soluble	Solid	300.0	28846
880-16508-24	S-16 10'	Soluble	Solid	300.0	28846
880-16508-25	S-17 1'	Soluble	Solid	300.0	28846
880-16508-26	S-17 3'	Soluble	Solid	300.0	28846
880-16508-27	S-17 5'	Soluble	Solid	300.0	28846
880-16508-28	S-17 10'	Soluble	Solid	300.0	28846
880-16508-29	S-18 1'	Soluble	Solid	300.0	28846
880-16508-30	S-18 3'	Soluble	Solid	300.0	28846
880-16508-31	S-18 5'	Soluble	Solid	300.0	28846
880-16508-32	S-18 10'	Soluble	Solid	300.0	28846
880-16508-33	S-19 1'	Soluble	Solid	300.0	28846
880-16508-34	S-19 3'	Soluble	Solid	300.0	28846
880-16508-35	S-19 5'	Soluble	Solid	300.0	28846
880-16508-36	S-19 10'	Soluble	Solid	300.0	28846
MB 880-28846/1-A	Method Blank	Soluble	Solid	300.0	28846
LCS 880-28846/2-A	Lab Control Sample	Soluble	Solid	300.0	28846
LCSD 880-28846/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28846
880-16508-21 MS	S-16 1'	Soluble	Solid	300.0	28846
880-16508-21 MSD	S-16 1'	Soluble	Solid	300.0	28846
880-16508-31 MS	S-18 5'	Soluble	Solid	300.0	28846
880-16508-31 MSD	S-18 5'	Soluble	Solid	300.0	28846

Analysis Batch: 29190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-1	S-3 1'	Soluble	Solid	300.0	28844
880-16508-2	S-3 3'	Soluble	Solid	300.0	28844
880-16508-3	S-3 5'	Soluble	Solid	300.0	28844
880-16508-4	S-3 10'	Soluble	Solid	300.0	28844
880-16508-5	S-4 1'	Soluble	Solid	300.0	28844
880-16508-6	S-4 3'	Soluble	Solid	300.0	28844
880-16508-7	S-4 5'	Soluble	Solid	300.0	28844
880-16508-8	S-4 10'	Soluble	Solid	300.0	28844
880-16508-9	S-8 1'	Soluble	Solid	300.0	28844
880-16508-10	S-8 3'	Soluble	Solid	300.0	28844

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

HPLC/IC (Continued)

Analysis Batch: 29190 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16508-11	S-8 5'	Soluble	Solid	300.0	28844
880-16508-12	S-8 10'	Soluble	Solid	300.0	28844
880-16508-13	S-10 1'	Soluble	Solid	300.0	28844
880-16508-14	S-10 3'	Soluble	Solid	300.0	28844
880-16508-15	S-10 5'	Soluble	Solid	300.0	28844
880-16508-16	S-10 10'	Soluble	Solid	300.0	28844
880-16508-17	S-11 1'	Soluble	Solid	300.0	28844
880-16508-18	S-11 3'	Soluble	Solid	300.0	28844
880-16508-19	S-11 5'	Soluble	Solid	300.0	28844
880-16508-20	S-11 10'	Soluble	Solid	300.0	28844
MB 880-28844/1-A	Method Blank	Soluble	Solid	300.0	28844
LCS 880-28844/2-A	Lab Control Sample	Soluble	Solid	300.0	28844
LCSD 880-28844/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28844
880-16508-1 MS	S-3 1'	Soluble	Solid	300.0	28844
880-16508-1 MSD	S-3 1'	Soluble	Solid	300.0	28844
880-16508-11 MS	S-8 5'	Soluble	Solid	300.0	28844
880-16508-11 MSD	S-8 5'	Soluble	Solid	300.0	28844

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-3 1'

Lab Sample ID: 880-16508-1
Matrix: Solid
Date Collected: 06/29/22 13:05
Date Received: 06/30/22 15:58

Prep 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	29191	07/07/22 10:17	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/07/22 18:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/01/22 20:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 17:33	CH	XEN MID

Client Sample ID: S-3 3'

Lab Sample ID: 880-16508-2
Matrix: Solid
Date Collected: 06/29/22 13:06
Date Received: 06/30/22 15:58

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	29191	07/07/22 10:17	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/07/22 18:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/01/22 21:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 17:57	CH	XEN MID

Client Sample ID: S-3 5'

Lab Sample ID: 880-16508-3
Matrix: Solid
Date Collected: 06/29/22 13:07
Date Received: 06/30/22 15:58

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	29191	07/07/22 10:17	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/07/22 19:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/01/22 22:17	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 18:05	CH	XEN MID

Client Sample ID: S-3 10'

Lab Sample ID: 880-16508-4
Matrix: Solid
Date Collected: 06/29/22 13:08
Date Received: 06/30/22 15:58

Prep 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	29191	07/07/22 10:17	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/07/22 19:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-3 10'

Lab Sample ID: 880-16508-4
Matrix: Solid
Date Collected: 06/29/22 13:08
Date Received: 06/30/22 15:58

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			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/01/22 22:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 18:13	CH	XEN MID

Client Sample ID: S-4 1'

Lab Sample ID: 880-16508-5
Matrix: Solid
Date Collected: 06/29/22 14:45
Date Received: 06/30/22 15:58

Prep 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	29191	07/07/22 10:17	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/07/22 19:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/01/22 22:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 18:21	CH	XEN MID

Client Sample ID: S-4 3'

Lab Sample ID: 880-16508-6
Matrix: Solid
Date Collected: 06/29/22 14:46
Date Received: 06/30/22 15:58

Prep 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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 04:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/01/22 23:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 18:44	CH	XEN MID

Client Sample ID: S-4 5'

Lab Sample ID: 880-16508-7
Matrix: Solid
Date Collected: 06/29/22 14:47
Date Received: 06/30/22 15:58

Prep 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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 05:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/01/22 23:42	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-4 5'

Lab Sample ID: 880-16508-7
Matrix: Solid
Date Collected: 06/29/22 14:47
Date Received: 06/30/22 15:58

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	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 18:52	CH	XEN MID

Client Sample ID: S-4 10'

Lab Sample ID: 880-16508-8
Matrix: Solid
Date Collected: 06/29/22 14:48
Date Received: 06/30/22 15:58

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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 05:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 00:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 19:00	CH	XEN MID

Client Sample ID: S-8 1'

Lab Sample ID: 880-16508-9
Matrix: Solid
Date Collected: 06/29/22 14:30
Date Received: 06/30/22 15:58

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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 05:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 00:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 19:08	CH	XEN MID

Client Sample ID: S-8 3'

Lab Sample ID: 880-16508-10
Matrix: Solid
Date Collected: 06/29/22 14:31
Date Received: 06/30/22 15:58

Prep 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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 06:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 00:47	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 19:16	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-8 5'

Lab Sample ID: 880-16508-11
Matrix: Solid
Date Collected: 06/29/22 14:32
Date Received: 06/30/22 15:58

Prep 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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 06:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 01:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/07/22 19:23	CH	XEN MID

Client Sample ID: S-8 10'

Lab Sample ID: 880-16508-12
Matrix: Solid
Date Collected: 06/29/22 14:33
Date Received: 06/30/22 15:58

Prep 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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 06:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 01:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/08/22 11:37	CH	XEN MID

Client Sample ID: S-10 1'

Lab Sample ID: 880-16508-13
Matrix: Solid
Date Collected: 06/29/22 14:05
Date Received: 06/30/22 15:58

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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 07:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 02:13	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/08/22 11:45	CH	XEN MID

Client Sample ID: S-10 3'

Lab Sample ID: 880-16508-14
Matrix: Solid
Date Collected: 06/29/22 14:06
Date Received: 06/30/22 15:58

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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 07:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-10 3'

Lab Sample ID: 880-16508-14
Matrix: Solid
Date Collected: 06/29/22 14:06
Date Received: 06/30/22 15:58

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			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 02:35	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/08/22 12:09	CH	XEN MID

Client Sample ID: S-10 5'

Lab Sample ID: 880-16508-15
Matrix: Solid
Date Collected: 06/29/22 14:07
Date Received: 06/30/22 15:58

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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 07:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 02:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/08/22 12:17	CH	XEN MID

Client Sample ID: S-10 10'

Lab Sample ID: 880-16508-16
Matrix: Solid
Date Collected: 06/29/22 14:08
Date Received: 06/30/22 15:58

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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 09:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 03:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/08/22 12:24	CH	XEN MID

Client Sample ID: S-11 1'

Lab Sample ID: 880-16508-17
Matrix: Solid
Date Collected: 06/29/22 13:45
Date Received: 06/30/22 15:58

Prep 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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 10:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 03:39	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-11 1'

Date Collected: 06/29/22 13:45
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/08/22 12:32	CH	XEN MID

Client Sample ID: S-11 3'

Date Collected: 06/29/22 13:46
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 10:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 04:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/08/22 12:40	CH	XEN MID

Client Sample ID: S-11 5'

Date Collected: 06/29/22 13:47
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 10:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 04:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		1			29190	07/08/22 12:48	CH	XEN MID

Client Sample ID: S-11 10'

Date Collected: 06/29/22 13:48
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 11:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28827	07/01/22 10:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28801	07/02/22 04:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	28844	07/01/22 12:09	CH	XEN MID
Soluble	Analysis	300.0		20			29190	07/08/22 12:56	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-16 1'

Date Collected: 06/29/22 13:30
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 11:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 13:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			29060	07/05/22 14:31	CH	XEN MID

Client Sample ID: S-16 3'

Date Collected: 06/29/22 13:31
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 11:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 13:50	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		5			29060	07/05/22 14:54	CH	XEN MID

Client Sample ID: S-16 5'

Date Collected: 06/29/22 13:32
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 12:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 14:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		5			29060	07/05/22 15:02	CH	XEN MID

Client Sample ID: S-16 10'

Date Collected: 06/29/22 13:33
Date Received: 06/30/22 15:58

Lab Sample ID: 880-16508-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 12:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-16 10'

Lab Sample ID: 880-16508-24
Date Collected: 06/29/22 13:33
Matrix: Solid
Date Received: 06/30/22 15:58

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			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 14:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		5			29060	07/05/22 15:10	CH	XEN MID

Client Sample ID: S-17 1'

Lab Sample ID: 880-16508-25
Date Collected: 06/29/22 13:05
Matrix: Solid
Date Received: 06/30/22 15:58

Prep 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	29218	07/07/22 14:51	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 12:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 14:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		10			29060	07/05/22 15:18	CH	XEN MID

Client Sample ID: S-17 3'

Lab Sample ID: 880-16508-26
Date Collected: 06/29/22 13:06
Matrix: Solid
Date Received: 06/30/22 15:58

Prep 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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 07:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 15:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		5			29060	07/05/22 15:42	CH	XEN MID

Client Sample ID: S-17 5'

Lab Sample ID: 880-16508-27
Date Collected: 06/29/22 13:07
Matrix: Solid
Date Received: 06/30/22 15:58

Prep 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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 07:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 15:39	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-17 5'

Lab Sample ID: 880-16508-27
Matrix: Solid
Date Collected: 06/29/22 13:07
Date Received: 06/30/22 15:58

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		10			29060	07/05/22 15:49	CH	XEN MID

Client Sample ID: S-17 10'

Lab Sample ID: 880-16508-28
Matrix: Solid
Date Collected: 06/29/22 13:08
Date Received: 06/30/22 15:58

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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 08:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 16:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		10			29060	07/05/22 15:57	CH	XEN MID

Client Sample ID: S-18 1'

Lab Sample ID: 880-16508-29
Matrix: Solid
Date Collected: 06/29/22 12:55
Date Received: 06/30/22 15:58

Prep 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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 08:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 16:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		5			29060	07/05/22 16:05	CH	XEN MID

Client Sample ID: S-18 3'

Lab Sample ID: 880-16508-30
Matrix: Solid
Date Collected: 06/29/22 12:56
Date Received: 06/30/22 15:58

Prep 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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 08:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 17:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		10			29060	07/05/22 16:13	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-18 5'

Lab Sample ID: 880-16508-31
Matrix: Solid
Date Collected: 06/29/22 12:57
Date Received: 06/30/22 15:58

Prep 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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 09:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 17:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		10			29060	07/05/22 16:21	CH	XEN MID

Client Sample ID: S-18 10'

Lab Sample ID: 880-16508-32
Matrix: Solid
Date Collected: 06/29/22 12:58
Date Received: 06/30/22 15:58

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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 09:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 17:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			29060	07/05/22 16:44	CH	XEN MID

Client Sample ID: S-19 1'

Lab Sample ID: 880-16508-33
Matrix: Solid
Date Collected: 06/29/22 11:40
Date Received: 06/30/22 15:58

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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 09:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 18:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			29060	07/05/22 16:52	CH	XEN MID

Client Sample ID: S-19 3'

Lab Sample ID: 880-16508-34
Matrix: Solid
Date Collected: 06/29/22 11:41
Date Received: 06/30/22 15:58

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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 10:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Client Sample ID: S-19 3'

Lab Sample ID: 880-16508-34
Matrix: Solid
Date Collected: 06/29/22 11:41
Date Received: 06/30/22 15:58

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			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 18:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		10			29060	07/05/22 17:16	CH	XEN MID

Client Sample ID: S-19 5'

Lab Sample ID: 880-16508-35
Matrix: Solid
Date Collected: 06/29/22 11:42
Date Received: 06/30/22 15:58

Prep 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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 10:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 18:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		20			29060	07/05/22 17:24	CH	XEN MID

Client Sample ID: S-19 10'

Lab Sample ID: 880-16508-36
Matrix: Solid
Date Collected: 06/29/22 11:43
Date Received: 06/30/22 15:58

Prep 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	29219	07/07/22 15:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29365	07/11/22 12:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29328	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29020	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 19:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28846	07/01/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		5			29060	07/05/22 17:32	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-16508-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-16508-1
SDG: 22-0105-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-16508-1	S-3 1'	Solid	06/29/22 13:05	06/30/22 15:58
880-16508-2	S-3 3'	Solid	06/29/22 13:06	06/30/22 15:58
880-16508-3	S-3 5'	Solid	06/29/22 13:07	06/30/22 15:58
880-16508-4	S-3 10'	Solid	06/29/22 13:08	06/30/22 15:58
880-16508-5	S-4 1'	Solid	06/29/22 14:45	06/30/22 15:58
880-16508-6	S-4 3'	Solid	06/29/22 14:46	06/30/22 15:58
880-16508-7	S-4 5'	Solid	06/29/22 14:47	06/30/22 15:58
880-16508-8	S-4 10'	Solid	06/29/22 14:48	06/30/22 15:58
880-16508-9	S-8 1'	Solid	06/29/22 14:30	06/30/22 15:58
880-16508-10	S-8 3'	Solid	06/29/22 14:31	06/30/22 15:58
880-16508-11	S-8 5'	Solid	06/29/22 14:32	06/30/22 15:58
880-16508-12	S-8 10'	Solid	06/29/22 14:33	06/30/22 15:58
880-16508-13	S-10 1'	Solid	06/29/22 14:05	06/30/22 15:58
880-16508-14	S-10 3'	Solid	06/29/22 14:06	06/30/22 15:58
880-16508-15	S-10 5'	Solid	06/29/22 14:07	06/30/22 15:58
880-16508-16	S-10 10'	Solid	06/29/22 14:08	06/30/22 15:58
880-16508-17	S-11 1'	Solid	06/29/22 13:45	06/30/22 15:58
880-16508-18	S-11 3'	Solid	06/29/22 13:46	06/30/22 15:58
880-16508-19	S-11 5'	Solid	06/29/22 13:47	06/30/22 15:58
880-16508-20	S-11 10'	Solid	06/29/22 13:48	06/30/22 15:58
880-16508-21	S-16 1'	Solid	06/29/22 13:30	06/30/22 15:58
880-16508-22	S-16 3'	Solid	06/29/22 13:31	06/30/22 15:58
880-16508-23	S-16 5'	Solid	06/29/22 13:32	06/30/22 15:58
880-16508-24	S-16 10'	Solid	06/29/22 13:33	06/30/22 15:58
880-16508-25	S-17 1'	Solid	06/29/22 13:05	06/30/22 15:58
880-16508-26	S-17 3'	Solid	06/29/22 13:06	06/30/22 15:58
880-16508-27	S-17 5'	Solid	06/29/22 13:07	06/30/22 15:58
880-16508-28	S-17 10'	Solid	06/29/22 13:08	06/30/22 15:58
880-16508-29	S-18 1'	Solid	06/29/22 12:55	06/30/22 15:58
880-16508-30	S-18 3'	Solid	06/29/22 12:56	06/30/22 15:58
880-16508-31	S-18 5'	Solid	06/29/22 12:57	06/30/22 15:58
880-16508-32	S-18 10'	Solid	06/29/22 12:58	06/30/22 15:58
880-16508-33	S-19 1'	Solid	06/29/22 11:40	06/30/22 15:58
880-16508-34	S-19 3'	Solid	06/29/22 11:41	06/30/22 15:58
880-16508-35	S-19 5'	Solid	06/29/22 11:42	06/30/22 15:58
880-16508-36	S-19 10'	Solid	06/29/22 11:43	06/30/22 15:58

Page 280 of 466

No. 2587

CHAIN-OF-CUSTODY

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

Data Reported to

DATE 6/30/22 PAGE 1 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Salado Draw Water Loop Line

LAI PROJECT # 22-0105-07 COLLECTOR: TP + JR

TRRP report? ☐ Yes ☒ No

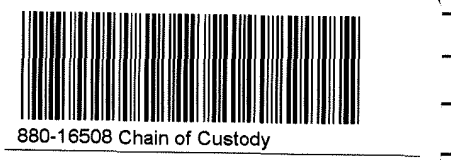
S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

TIME ZONE
Time zone/State: MST/NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
S-3 1'		6/29/22	1305	S	1				X		X	
S-3 3'			1306									
S-3 5'			1307									
S-3 10'			1308									
S-4 1'			1445									
S-4 3'			1446									
S-4 5'			1447									
S-4 10'			1448									
S-8 1'			1430									
S-8 3'			1431									
S-8 5'			1432									
S-8 10'			1433									
S-10 1'			1405									
S-10 3'			1406									
S-10 5'		"	1407	"	"				"		"	

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

TOTAL 15



RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
[signature]	6/30/22 1550	[signature]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 3.1 THERM# IR2 - 2
CUSTODY SEALS - ☐ BROKEN ☑ INTACT ☐ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

Page 68 of 71

Received by OCD: 11/7/2024 11:03:04 AM

Released to Imaging: 1/24/2025 3:21:57 PM

Page 281 of 466

No. 2588

CHAIN-OF-CUSTODY

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

Data Reported to

DATE: 6-30-22 PAGE 2 OF 3

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME: Salado Draw Water Loop Line

LAI PROJECT #: 22-0105-07 COLLECTOR: TP + JR

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MST/NM

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

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

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
S-10 10'		6-29-22	1408	S	1				X		X X X X	
S-11 1'			1345									
S-11 3'			1346									
S-11 5'			1347									
S-11 10'			1348									
S-16 1'			1330									
S-16 3'			1331									
S-16 5'			1332									
S-16 10'			1333									
S-17 1'			1305									
S-17 3'			1306									
S-17 5'			1307									
S-17 10'			1308									
S-18 1'			1255									
S-18 3'			1256									

TOTAL 15

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
[signature]	6/30/22 1558	[signature]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY
RECEIVING TEMP 3.1 THERM#: TR8 -
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Received by OCD: 11/7/2024 11:03:04 AM
Page 69 of 71
Released to Imaging: 1/24/2025 3:21:57 PM
7/11/2022

Page 282 of 466

No. 2589

CHAIN-OF-CUSTODY

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

Data Reported to

DATE: 6-30-22 PAGE 3 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Salado Draw Water Loop Line

LAI PROJECT #: 22-0105-07 COLLECTOR: TP & JR

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State: MST/NM

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

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	TRPH	GASOLINE	DIESEL	OIL	VOC	SVOC	FIELD NOTES
S-18 5'		6/29/22	1257	S	1				X		X		X	X	X			
S-18 10'		"	1258	"	"				"		"		"	"	"			
S-19 1'		"	1140	"	"				"		"		"	"	"			
S-19 3'		"	1141	"	"				"		"		"	"	"			
S-19 5'		"	1142	"	"				"		"		"	"	"			
S-19 10'		"	1143	"	"				"		"		"	"	"			

Loc: 880
16508

TOTAL 6

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
[signature]	6/30/22 1550	[signature]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 3.1 THERM#: IR8 -2
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Received by OCD: 11/7/2024 11:03:04 AM
Page 70 of 71
Released to Imaging: 1/24/2025 3:21:57 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-16508-1
SDG Number: 22-0105-07

Login Number: 16508
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/19/2023 10:28:25 AM

JOB DESCRIPTION

Salado Draw Water Lap Line
SDG NUMBER 22-0105-07

JOB NUMBER

880-33263-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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my EOL

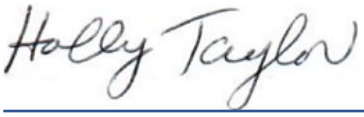
Eurofins Midland

Job Notes

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

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

Authorization



Generated
9/19/2023 10:28:25 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 15
QC Sample Results 17
QC Association Summary 22
Lab Chronicle 26
Certification Summary 30
Method Summary 31
Sample Summary 32
Chain of Custody 33
Receipt Checklists 34

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Job ID: 880-33263-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-33263-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/14/2023 8:13 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-20, 0-1' (880-33263-1), S-20, 1-2' (880-33263-2), S-21, 0-1' (880-33263-3), S-21, 1-2' (880-33263-4), S-22, 0-1' (880-33263-5), S-22, 1-2' (880-33263-6), S-23, 0-1' (880-33263-7), S-23, 1-2' (880-33263-8), S-24, 0-1' (880-33263-9), S-24, 1-2' (880-33263-10), S-25, 0-1' (880-33263-11) and S-25, 1-2' (880-33263-12).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-62513 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-20, 0-1' (880-33263-1), S-20, 1-2' (880-33263-2), S-21, 0-1' (880-33263-3), S-21, 1-2' (880-33263-4), S-22, 0-1' (880-33263-5), S-22, 1-2' (880-33263-6), S-23, 0-1' (880-33263-7), S-23, 1-2' (880-33263-8), S-24, 0-1' (880-33263-9), S-24, 1-2' (880-33263-10), S-25, 0-1' (880-33263-11), S-25, 1-2' (880-33263-12), (CCV 880-62513/2), (CCV 880-62513/20), (CCV 880-62513/33), (CCV 880-62513/51), (CCV 880-62513/64), (CCV 880-62513/82), (LCS 880-62454/1-A), (LCS 880-62481/1-A), (LCSD 880-62454/2-A), (LCSD 880-62481/2-A), (MB 880-62479/5-A), (MB 880-62481/5-A), (890-5251-A-1-D), (890-5251-A-1-B MS), (890-5251-A-1-C MSD), (880-33291-A-21-C), (880-33291-A-21-A MS) and (880-33291-A-21-B MSD). 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 880-62674 and analytical batch 880-62672 was outside the control limits.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-62410 and analytical batch 880-62511 was outside the upper control limits.

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

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

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-20, 0-1'
Lab Sample ID: 880-33263-1
Date Collected: 09/13/23 11:00 **Matrix: Solid**
Date Received: 09/14/23 08:13

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		09/14/23 16:00	09/16/23 20:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/14/23 16:00	09/16/23 20:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/14/23 16:00	09/16/23 20:19	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		09/14/23 16:00	09/16/23 20:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/14/23 16:00	09/16/23 20:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/14/23 16:00	09/16/23 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*400*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/16/23 20:19*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*09/14/23 16:00*	*09/16/23 20:19*	*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			09/16/23 20:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/15/23 12:34	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/14/23 09:19	09/15/23 12:34	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/14/23 09:19	09/15/23 12:34	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/14/23 09:19	09/15/23 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*09/14/23 09:19*	*09/15/23 12:34*	*1*
o-Terphenyl (Surr)	*115*		*70 - 130*	*09/14/23 09:19*	*09/15/23 12:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.8**		5.00		mg/Kg			09/17/23 18:03	1

Client Sample ID: S-20, 1-2'
Lab Sample ID: 880-33263-2
Date Collected: 09/13/23 11:05 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 20:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 20:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 20:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/14/23 16:00	09/16/23 20:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 20:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 16:00	09/16/23 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*386*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/16/23 20:46*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*09/14/23 16:00*	*09/16/23 20:46*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-20, 1-2'
Lab Sample ID: 880-33263-2
Date Collected: 09/13/23 11:05 **Matrix: Solid**
Date Received: 09/14/23 08:13

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/16/23 20:46	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			09/15/23 12:55	1

Method: 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		09/14/23 09:19	09/15/23 12:55	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/14/23 09:19	09/15/23 12:55	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/14/23 09:19	09/15/23 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*09/14/23 09:19*	*09/15/23 12:55*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*09/14/23 09:19*	*09/15/23 12:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		5.00		mg/Kg			09/17/23 18:23	1

Client Sample ID: S-21, 0-1'
Lab Sample ID: 880-33263-3
Date Collected: 09/13/23 11:10 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 21:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 21:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 21:12	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		09/14/23 16:00	09/16/23 21:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 21:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/23 16:00	09/16/23 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*335*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/16/23 21:12*	*1*
1,4-Difluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/16/23 21:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/16/23 21:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/15/23 13:39	1

Method: 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		09/14/23 09:19	09/15/23 13:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/23 09:19	09/15/23 13:39	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-21, 0-1' Lab Sample ID: 880-33263-3

Date Collected: 09/13/23 11:10 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/23 09:19	09/15/23 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*09/14/23 09:19*	*09/15/23 13:39*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*09/14/23 09:19*	*09/15/23 13:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		5.02		mg/Kg			09/17/23 18:30	1

Client Sample ID: S-21, 1-2' Lab Sample ID: 880-33263-4

Date Collected: 09/13/23 11:15 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 21:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 21:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 21:39	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		09/14/23 16:00	09/16/23 21:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 21:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/23 16:00	09/16/23 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*374*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/16/23 21:39*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*09/14/23 16:00*	*09/16/23 21:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/16/23 21:39	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			09/15/23 14:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/14/23 09:19	09/15/23 14:01	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/14/23 09:19	09/15/23 14:01	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/14/23 09:19	09/15/23 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*09/14/23 09:19*	*09/15/23 14:01*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*09/14/23 09:19*	*09/15/23 14:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**112**		5.01		mg/Kg			09/17/23 18:36	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-22, 0-1'
Lab Sample ID: 880-33263-5
Date Collected: 09/13/23 11:20 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 23:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 23:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 23:21	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		09/14/23 16:00	09/16/23 23:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 23:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/23 16:00	09/16/23 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*371*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/16/23 23:21*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*09/14/23 16:00*	*09/16/23 23:21*	*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			09/16/23 23:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/15/23 14:23	1

Method: 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		09/14/23 09:19	09/15/23 14:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/23 09:19	09/15/23 14:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/23 09:19	09/15/23 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*09/14/23 09:19*	*09/15/23 14:23*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*09/14/23 09:19*	*09/15/23 14:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		5.03		mg/Kg			09/17/23 18:43	1

Client Sample ID: S-22, 1-2'
Lab Sample ID: 880-33263-6
Date Collected: 09/13/23 11:25 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 23:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 23:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 23:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/14/23 16:00	09/16/23 23:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 23:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 16:00	09/16/23 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*452*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/16/23 23:46*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*09/14/23 16:00*	*09/16/23 23:46*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-22, 1-2'
Lab Sample ID: 880-33263-6
Date Collected: 09/13/23 11:25 **Matrix: Solid**
Date Received: 09/14/23 08:13

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/16/23 23:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/15/23 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/14/23 09:19	09/15/23 14:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/23 09:19	09/15/23 14:44	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/23 09:19	09/15/23 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*09/14/23 09:19*	*09/15/23 14:44*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*09/14/23 09:19*	*09/15/23 14:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.7**		5.00		mg/Kg			09/17/23 18:50	1

Client Sample ID: S-23, 0-1'
Lab Sample ID: 880-33263-7
Date Collected: 09/13/23 11:30 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/17/23 00:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/17/23 00:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/17/23 00:12	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/14/23 16:00	09/17/23 00:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/17/23 00:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 16:00	09/17/23 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*360*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/17/23 00:12*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*09/14/23 16:00*	*09/17/23 00:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/17/23 00:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/15/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/14/23 09:19	09/15/23 15:06	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/14/23 09:19	09/15/23 15:06	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-23, 0-1' Lab Sample ID: 880-33263-7

Date Collected: 09/13/23 11:30 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/14/23 09:19	09/15/23 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*09/14/23 09:19*	*09/15/23 15:06*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*09/14/23 09:19*	*09/15/23 15:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**198**		4.98		mg/Kg			09/17/23 18:56	1

Client Sample ID: S-23, 1-2' Lab Sample ID: 880-33263-8

Date Collected: 09/13/23 11:35 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/17/23 00:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/17/23 00:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/17/23 00:37	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		09/14/23 16:00	09/17/23 00:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/17/23 00:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/23 16:00	09/17/23 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*376*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/17/23 00:37*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*09/14/23 16:00*	*09/17/23 00:37*	*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			09/17/23 00:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/15/23 15:27	1

Method: 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		09/14/23 09:19	09/15/23 15:27	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/14/23 09:19	09/15/23 15:27	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/14/23 09:19	09/15/23 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*09/14/23 09:19*	*09/15/23 15:27*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*09/14/23 09:19*	*09/15/23 15:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		5.03		mg/Kg			09/17/23 19:16	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-24, 0-1'
Lab Sample ID: 880-33263-9
Date Collected: 09/13/23 11:40 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/17/23 01:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/17/23 01:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/17/23 01:03	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		09/14/23 16:00	09/17/23 01:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/17/23 01:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/23 16:00	09/17/23 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*460*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/17/23 01:03*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*09/14/23 16:00*	*09/17/23 01:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/17/23 01:03	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			09/15/23 15:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/14/23 09:19	09/15/23 15:49	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/14/23 09:19	09/15/23 15:49	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/14/23 09:19	09/15/23 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*09/14/23 09:19*	*09/15/23 15:49*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*09/14/23 09:19*	*09/15/23 15:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		5.04		mg/Kg			09/17/23 19:23	1

Client Sample ID: S-24, 1-2'
Lab Sample ID: 880-33263-10
Date Collected: 09/13/23 11:45 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/17/23 01:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/17/23 01:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/17/23 01:29	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/14/23 16:00	09/17/23 01:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/17/23 01:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 16:00	09/17/23 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*377*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/17/23 01:29*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*09/14/23 16:00*	*09/17/23 01:29*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Lap Line

Job ID: 880-33263-1
SDG: 22-0105-07

Client Sample ID: S-24, 1-2'

Date Collected: 09/13/23 11:45
Date Received: 09/14/23 08:13

Lab Sample ID: 880-33263-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/17/23 01:29	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			09/15/23 16:11	1

Method: SW846 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		09/14/23 09:19	09/15/23 16:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/14/23 09:19	09/15/23 16:11	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/14/23 09:19	09/15/23 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*09/14/23 09:19*	*09/15/23 16:11*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*09/14/23 09:19*	*09/15/23 16:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**145**		4.97		mg/Kg			09/17/23 19:43	1

Client Sample ID: S-25, 0-1'

Date Collected: 09/13/23 11:50
Date Received: 09/14/23 08:13

Lab Sample ID: 880-33263-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 13:14	09/15/23 22:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/23 13:14	09/15/23 22:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/23 13:14	09/15/23 22:39	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		09/14/23 13:14	09/15/23 22:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/23 13:14	09/15/23 22:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 13:14	09/15/23 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*229*	*S1+*	*70 - 130*	*09/14/23 13:14*	*09/15/23 22:39*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/14/23 13:14*	*09/15/23 22:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/15/23 22:39	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			09/15/23 16:32	1

Method: SW846 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		09/14/23 09:19	09/15/23 16:32	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/14/23 09:19	09/15/23 16:32	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-25, 0-1' Lab Sample ID: 880-33263-11

Date Collected: 09/13/23 11:50 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/14/23 09:19	09/15/23 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*09/14/23 09:19*	*09/15/23 16:32*	*1*
o-Terphenyl (Surr)	*115*		*70 - 130*	*09/14/23 09:19*	*09/15/23 16:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		4.96		mg/Kg			09/17/23 19:50	1

Client Sample ID: S-25, 1-2' Lab Sample ID: 880-33263-12

Date Collected: 09/13/23 11:55 **Matrix: Solid**
Date Received: 09/14/23 08:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/18/23 15:08	09/19/23 02:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/18/23 15:08	09/19/23 02:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/18/23 15:08	09/19/23 02:42	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/18/23 15:08	09/19/23 02:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/18/23 15:08	09/19/23 02:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/18/23 15:08	09/19/23 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*09/18/23 15:08*	*09/19/23 02:42*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*09/18/23 15:08*	*09/19/23 02:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/19/23 02:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/15/23 16:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/14/23 09:19	09/15/23 16:54	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/14/23 09:19	09/15/23 16:54	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/14/23 09:19	09/15/23 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*09/14/23 09:19*	*09/15/23 16:54*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*09/14/23 09:19*	*09/15/23 16:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		4.99		mg/Kg			09/17/23 19:56	1

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-33263-1	S-20, 0-1'	400 S1+	125
880-33263-2	S-20, 1-2'	386 S1+	119
880-33263-3	S-21, 0-1'	335 S1+	132 S1+
880-33263-4	S-21, 1-2'	374 S1+	119
880-33263-5	S-22, 0-1'	371 S1+	126
880-33263-6	S-22, 1-2'	452 S1+	117
880-33263-7	S-23, 0-1'	360 S1+	86
880-33263-8	S-23, 1-2'	376 S1+	117
880-33263-9	S-24, 0-1'	460 S1+	127
880-33263-10	S-24, 1-2'	377 S1+	119
880-33263-11	S-25, 0-1'	229 S1+	107
880-33263-12	S-25, 1-2'	98	77
LCS 880-62454/1-A	Lab Control Sample	146 S1+	113
LCS 880-62481/1-A	Lab Control Sample	235 S1+	84
LCS 880-62599/1-A	Lab Control Sample	100	115
LCSD 880-62454/2-A	Lab Control Sample Dup	147 S1+	130
LCSD 880-62481/2-A	Lab Control Sample Dup	236 S1+	84
LCSD 880-62599/2-A	Lab Control Sample Dup	100	106
MB 880-62454/5-A	Method Blank	121	94
MB 880-62479/5-A	Method Blank	134 S1+	119
MB 880-62481/5-A	Method Blank	191 S1+	106
MB 880-62599/5-A	Method Blank	71	98
MB 880-62674/5-A	Method Blank	69 S1-	97

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)
880-33263-1	S-20, 0-1'	111	115
880-33263-2	S-20, 1-2'	113	113
880-33263-3	S-21, 0-1'	114	118
880-33263-4	S-21, 1-2'	113	120
880-33263-5	S-22, 0-1'	115	122
880-33263-6	S-22, 1-2'	99	103
880-33263-7	S-23, 0-1'	109	112
880-33263-8	S-23, 1-2'	118	121
880-33263-9	S-24, 0-1'	98	102
880-33263-10	S-24, 1-2'	114	122
880-33263-11	S-25, 0-1'	110	115
880-33263-12	S-25, 1-2'	90	95
LCS 880-62410/2-A	Lab Control Sample	100	110
LCSD 880-62410/3-A	Lab Control Sample Dup	101	114
MB 880-62410/1-A	Method Blank	142 S1+	154 S1+

Surrogate Legend

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Lap Line

Job ID: 880-33263-1
SDG: 22-0105-07

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

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-62454/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62513 **Prep Batch: 62454**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 13:14	09/15/23 13:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 13:14	09/15/23 13:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 13:14	09/15/23 13:54	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/14/23 13:14	09/15/23 13:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 13:14	09/15/23 13:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/23 13:14	09/15/23 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*09/14/23 13:14*	*09/15/23 13:54*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*09/14/23 13:14*	*09/15/23 13:54*	*1*

Lab Sample ID: LCS 880-62454/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62513 **Prep Batch: 62454**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09503		mg/Kg		95	70 - 130		
Toluene			0.100	0.09703		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1040		mg/Kg		104	70 - 130		
m,p-Xylenes			0.200	0.2034		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1037		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-62454/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62513 **Prep Batch: 62454**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1009		mg/Kg		101	70 - 130	6	35
Toluene			0.100	0.1073		mg/Kg		107	70 - 130	10	35
Ethylbenzene			0.100	0.1078		mg/Kg		108	70 - 130	4	35
m,p-Xylenes			0.200	0.2128		mg/Kg		106	70 - 130	5	35
o-Xylene			0.100	0.1128		mg/Kg		113	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*

Lab Sample ID: MB 880-62479/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62513 **Prep Batch: 62479**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 03:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 03:27	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

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

Lab Sample ID: MB 880-62479/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62513 **Prep Batch: 62479**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 03:27	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/14/23 15:52	09/16/23 03:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 03:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/23 15:52	09/16/23 03:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*09/14/23 15:52*	*09/16/23 03:27*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*09/14/23 15:52*	*09/16/23 03:27*	*1*

Lab Sample ID: MB 880-62481/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62513 **Prep Batch: 62481**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 17:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 17:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 17:12	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/14/23 16:00	09/16/23 17:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 17:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/23 16:00	09/16/23 17:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*191*	*S1+*	*70 - 130*	*09/14/23 16:00*	*09/16/23 17:12*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/14/23 16:00*	*09/16/23 17:12*	*1*

Lab Sample ID: LCS 880-62481/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62513 **Prep Batch: 62481**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1085		mg/Kg		109	70 - 130		
Toluene			0.100	0.1102		mg/Kg		110	70 - 130		
Ethylbenzene			0.100	0.1107		mg/Kg		111	70 - 130		
m,p-Xylenes			0.200	0.2171		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1144		mg/Kg		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*235*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: LCSD 880-62481/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62513 **Prep Batch: 62481**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1148		mg/Kg		115	70 - 130	6	35
Toluene			0.100	0.1176		mg/Kg		118	70 - 130	6	35
Ethylbenzene			0.100	0.1190		mg/Kg		119	70 - 130	7	35

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

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

Lab Sample ID: LCSD 880-62481/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62513 **Prep Batch: 62481**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes			0.200	0.2308		mg/Kg		115	70 - 130	6	35
o-Xylene			0.100	0.1227		mg/Kg		123	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*236*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: MB 880-62599/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62672 **Prep Batch: 62599**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/18/23 15:08	09/18/23 21:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/18/23 15:08	09/18/23 21:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/18/23 15:08	09/18/23 21:54	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/18/23 15:08	09/18/23 21:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/18/23 15:08	09/18/23 21:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/18/23 15:08	09/18/23 21:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*09/18/23 15:08*	*09/18/23 21:54*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/18/23 15:08*	*09/18/23 21:54*	*1*

Lab Sample ID: LCS 880-62599/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62672 **Prep Batch: 62599**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.07810		mg/Kg		78	70 - 130
Toluene			0.100	0.08476		mg/Kg		85	70 - 130
Ethylbenzene			0.100	0.08259		mg/Kg		83	70 - 130
m,p-Xylenes			0.200	0.1713		mg/Kg		86	70 - 130
o-Xylene			0.100	0.08671		mg/Kg		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-62599/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62672 **Prep Batch: 62599**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08604		mg/Kg		86	70 - 130	10	35
Toluene			0.100	0.08846		mg/Kg		88	70 - 130	4	35
Ethylbenzene			0.100	0.08613		mg/Kg		86	70 - 130	4	35
m,p-Xylenes			0.200	0.1791		mg/Kg		90	70 - 130	4	35
o-Xylene			0.100	0.09090		mg/Kg		91	70 - 130	5	35

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-62674/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62672 **Prep Batch: 62674**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/18/23 08:50	09/18/23 11:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/18/23 08:50	09/18/23 11:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/18/23 08:50	09/18/23 11:16	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/18/23 08:50	09/18/23 11:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/18/23 08:50	09/18/23 11:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/18/23 08:50	09/18/23 11:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	09/18/23 08:50	09/18/23 11:16	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/18/23 08:50	09/18/23 11:16	1

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

Lab Sample ID: MB 880-62410/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62511 **Prep Batch: 62410**

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		09/14/23 09:19	09/15/23 06:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/23 09:19	09/15/23 06:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/23 09:19	09/15/23 06:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	142	S1+	70 - 130	09/14/23 09:19	09/15/23 06:23	1
o-Terphenyl (Surr)	154	S1+	70 - 130	09/14/23 09:19	09/15/23 06:23	1

Lab Sample ID: LCS 880-62410/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62511 **Prep Batch: 62410**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1097		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1048		mg/Kg		105	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	110		70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

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

Lab Sample ID: LCSD 880-62410/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 62511 **Prep Batch: 62410**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1099		mg/Kg		110	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	995.1		mg/Kg		100	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*101*		*70 - 130*
o-Terphenyl (Surr)	*114*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-62554/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 62732

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/17/23 17:04	1

Lab Sample ID: LCS 880-62554/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 62732

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

Lab Sample ID: LCSD 880-62554/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 62732

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-33263-7 MS **Client Sample ID: S-23, 0-1'**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 62732

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	198		249	434.1		mg/Kg		95	90 - 110		

Lab Sample ID: 880-33263-7 MSD **Client Sample ID: S-23, 0-1'**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 62732

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	198		249	434.9		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

GC VOA

Prep Batch: 62454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-11	S-25, 0-1'	Total/NA	Solid	5035	
MB 880-62454/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-62454/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-62454/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 62479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-62479/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 62481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-1	S-20, 0-1'	Total/NA	Solid	5035	
880-33263-2	S-20, 1-2'	Total/NA	Solid	5035	
880-33263-3	S-21, 0-1'	Total/NA	Solid	5035	
880-33263-4	S-21, 1-2'	Total/NA	Solid	5035	
880-33263-5	S-22, 0-1'	Total/NA	Solid	5035	
880-33263-6	S-22, 1-2'	Total/NA	Solid	5035	
880-33263-7	S-23, 0-1'	Total/NA	Solid	5035	
880-33263-8	S-23, 1-2'	Total/NA	Solid	5035	
880-33263-9	S-24, 0-1'	Total/NA	Solid	5035	
880-33263-10	S-24, 1-2'	Total/NA	Solid	5035	
MB 880-62481/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-62481/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-62481/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 62513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-1	S-20, 0-1'	Total/NA	Solid	8021B	62481
880-33263-2	S-20, 1-2'	Total/NA	Solid	8021B	62481
880-33263-3	S-21, 0-1'	Total/NA	Solid	8021B	62481
880-33263-4	S-21, 1-2'	Total/NA	Solid	8021B	62481
880-33263-5	S-22, 0-1'	Total/NA	Solid	8021B	62481
880-33263-6	S-22, 1-2'	Total/NA	Solid	8021B	62481
880-33263-7	S-23, 0-1'	Total/NA	Solid	8021B	62481
880-33263-8	S-23, 1-2'	Total/NA	Solid	8021B	62481
880-33263-9	S-24, 0-1'	Total/NA	Solid	8021B	62481
880-33263-10	S-24, 1-2'	Total/NA	Solid	8021B	62481
880-33263-11	S-25, 0-1'	Total/NA	Solid	8021B	62454
MB 880-62454/5-A	Method Blank	Total/NA	Solid	8021B	62454
MB 880-62479/5-A	Method Blank	Total/NA	Solid	8021B	62479
MB 880-62481/5-A	Method Blank	Total/NA	Solid	8021B	62481
LCS 880-62454/1-A	Lab Control Sample	Total/NA	Solid	8021B	62454
LCS 880-62481/1-A	Lab Control Sample	Total/NA	Solid	8021B	62481
LCSD 880-62454/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	62454
LCSD 880-62481/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	62481

Prep Batch: 62599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-12	S-25, 1-2'	Total/NA	Solid	5035	
MB 880-62599/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-62599/1-A	Lab Control Sample	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

GC VOA (Continued)

Prep Batch: 62599 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-62599/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 62672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-12	S-25, 1-2'	Total/NA	Solid	8021B	62599
MB 880-62599/5-A	Method Blank	Total/NA	Solid	8021B	62599
MB 880-62674/5-A	Method Blank	Total/NA	Solid	8021B	62674
LCS 880-62599/1-A	Lab Control Sample	Total/NA	Solid	8021B	62599
LCSD 880-62599/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	62599

Prep Batch: 62674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-62674/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 62746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-1	S-20, 0-1'	Total/NA	Solid	Total BTEX	
880-33263-2	S-20, 1-2'	Total/NA	Solid	Total BTEX	
880-33263-3	S-21, 0-1'	Total/NA	Solid	Total BTEX	
880-33263-4	S-21, 1-2'	Total/NA	Solid	Total BTEX	
880-33263-5	S-22, 0-1'	Total/NA	Solid	Total BTEX	
880-33263-6	S-22, 1-2'	Total/NA	Solid	Total BTEX	
880-33263-7	S-23, 0-1'	Total/NA	Solid	Total BTEX	
880-33263-8	S-23, 1-2'	Total/NA	Solid	Total BTEX	
880-33263-9	S-24, 0-1'	Total/NA	Solid	Total BTEX	
880-33263-10	S-24, 1-2'	Total/NA	Solid	Total BTEX	
880-33263-11	S-25, 0-1'	Total/NA	Solid	Total BTEX	
880-33263-12	S-25, 1-2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 62410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-1	S-20, 0-1'	Total/NA	Solid	8015NM Prep	
880-33263-2	S-20, 1-2'	Total/NA	Solid	8015NM Prep	
880-33263-3	S-21, 0-1'	Total/NA	Solid	8015NM Prep	
880-33263-4	S-21, 1-2'	Total/NA	Solid	8015NM Prep	
880-33263-5	S-22, 0-1'	Total/NA	Solid	8015NM Prep	
880-33263-6	S-22, 1-2'	Total/NA	Solid	8015NM Prep	
880-33263-7	S-23, 0-1'	Total/NA	Solid	8015NM Prep	
880-33263-8	S-23, 1-2'	Total/NA	Solid	8015NM Prep	
880-33263-9	S-24, 0-1'	Total/NA	Solid	8015NM Prep	
880-33263-10	S-24, 1-2'	Total/NA	Solid	8015NM Prep	
880-33263-11	S-25, 0-1'	Total/NA	Solid	8015NM Prep	
880-33263-12	S-25, 1-2'	Total/NA	Solid	8015NM Prep	
MB 880-62410/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-62410/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-62410/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

GC Semi VOA

Analysis Batch: 62511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-1	S-20, 0-1'	Total/NA	Solid	8015B NM	62410
880-33263-2	S-20, 1-2'	Total/NA	Solid	8015B NM	62410
880-33263-3	S-21, 0-1'	Total/NA	Solid	8015B NM	62410
880-33263-4	S-21, 1-2'	Total/NA	Solid	8015B NM	62410
880-33263-5	S-22, 0-1'	Total/NA	Solid	8015B NM	62410
880-33263-6	S-22, 1-2'	Total/NA	Solid	8015B NM	62410
880-33263-7	S-23, 0-1'	Total/NA	Solid	8015B NM	62410
880-33263-8	S-23, 1-2'	Total/NA	Solid	8015B NM	62410
880-33263-9	S-24, 0-1'	Total/NA	Solid	8015B NM	62410
880-33263-10	S-24, 1-2'	Total/NA	Solid	8015B NM	62410
880-33263-11	S-25, 0-1'	Total/NA	Solid	8015B NM	62410
880-33263-12	S-25, 1-2'	Total/NA	Solid	8015B NM	62410
MB 880-62410/1-A	Method Blank	Total/NA	Solid	8015B NM	62410
LCS 880-62410/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	62410
LCSD 880-62410/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	62410

Analysis Batch: 62715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-1	S-20, 0-1'	Total/NA	Solid	8015 NM	
880-33263-2	S-20, 1-2'	Total/NA	Solid	8015 NM	
880-33263-3	S-21, 0-1'	Total/NA	Solid	8015 NM	
880-33263-4	S-21, 1-2'	Total/NA	Solid	8015 NM	
880-33263-5	S-22, 0-1'	Total/NA	Solid	8015 NM	
880-33263-6	S-22, 1-2'	Total/NA	Solid	8015 NM	
880-33263-7	S-23, 0-1'	Total/NA	Solid	8015 NM	
880-33263-8	S-23, 1-2'	Total/NA	Solid	8015 NM	
880-33263-9	S-24, 0-1'	Total/NA	Solid	8015 NM	
880-33263-10	S-24, 1-2'	Total/NA	Solid	8015 NM	
880-33263-11	S-25, 0-1'	Total/NA	Solid	8015 NM	
880-33263-12	S-25, 1-2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 62554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-1	S-20, 0-1'	Soluble	Solid	DI Leach	
880-33263-2	S-20, 1-2'	Soluble	Solid	DI Leach	
880-33263-3	S-21, 0-1'	Soluble	Solid	DI Leach	
880-33263-4	S-21, 1-2'	Soluble	Solid	DI Leach	
880-33263-5	S-22, 0-1'	Soluble	Solid	DI Leach	
880-33263-6	S-22, 1-2'	Soluble	Solid	DI Leach	
880-33263-7	S-23, 0-1'	Soluble	Solid	DI Leach	
880-33263-8	S-23, 1-2'	Soluble	Solid	DI Leach	
880-33263-9	S-24, 0-1'	Soluble	Solid	DI Leach	
880-33263-10	S-24, 1-2'	Soluble	Solid	DI Leach	
880-33263-11	S-25, 0-1'	Soluble	Solid	DI Leach	
880-33263-12	S-25, 1-2'	Soluble	Solid	DI Leach	
MB 880-62554/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-62554/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-62554/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33263-7 MS	S-23, 0-1'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

HPLC/IC (Continued)

Leach Batch: 62554 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-7 MSD	S-23, 0-1'	Soluble	Solid	DI Leach	

Analysis Batch: 62732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33263-1	S-20, 0-1'	Soluble	Solid	300.0	62554
880-33263-2	S-20, 1-2'	Soluble	Solid	300.0	62554
880-33263-3	S-21, 0-1'	Soluble	Solid	300.0	62554
880-33263-4	S-21, 1-2'	Soluble	Solid	300.0	62554
880-33263-5	S-22, 0-1'	Soluble	Solid	300.0	62554
880-33263-6	S-22, 1-2'	Soluble	Solid	300.0	62554
880-33263-7	S-23, 0-1'	Soluble	Solid	300.0	62554
880-33263-8	S-23, 1-2'	Soluble	Solid	300.0	62554
880-33263-9	S-24, 0-1'	Soluble	Solid	300.0	62554
880-33263-10	S-24, 1-2'	Soluble	Solid	300.0	62554
880-33263-11	S-25, 0-1'	Soluble	Solid	300.0	62554
880-33263-12	S-25, 1-2'	Soluble	Solid	300.0	62554
MB 880-62554/1-A	Method Blank	Soluble	Solid	300.0	62554
LCS 880-62554/2-A	Lab Control Sample	Soluble	Solid	300.0	62554
LCSD 880-62554/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	62554
880-33263-7 MS	S-23, 0-1'	Soluble	Solid	300.0	62554
880-33263-7 MSD	S-23, 0-1'	Soluble	Solid	300.0	62554

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-20, 0-1' Lab Sample ID: 880-33263-1

Date Collected: 09/13/23 11:00 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/16/23 20:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 12:34	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 18:03	CH	EET MID

Client Sample ID: S-20, 1-2' Lab Sample ID: 880-33263-2

Date Collected: 09/13/23 11:05 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 20:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/16/23 20:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 12:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 18:23	CH	EET MID

Client Sample ID: S-21, 0-1' Lab Sample ID: 880-33263-3

Date Collected: 09/13/23 11:10 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 21:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/16/23 21:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 13:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 13:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 18:30	CH	EET MID

Client Sample ID: S-21, 1-2' Lab Sample ID: 880-33263-4

Date Collected: 09/13/23 11:15 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 21:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/16/23 21:39	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-21, 1-2' Lab Sample ID: 880-33263-4

Date Collected: 09/13/23 11:15 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			62715	09/15/23 14:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 14:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 18:36	CH	EET MID

Client Sample ID: S-22, 0-1' Lab Sample ID: 880-33263-5

Date Collected: 09/13/23 11:20 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 23:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/16/23 23:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 14:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 14:23	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 18:43	CH	EET MID

Client Sample ID: S-22, 1-2' Lab Sample ID: 880-33263-6

Date Collected: 09/13/23 11:25 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 23:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/16/23 23:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 14:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 14:44	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 18:50	CH	EET MID

Client Sample ID: S-23, 0-1' Lab Sample ID: 880-33263-7

Date Collected: 09/13/23 11:30 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/17/23 00:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/17/23 00:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 15:06	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 15:06	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Client Sample ID: S-23, 0-1' Lab Sample ID: 880-33263-7

Date Collected: 09/13/23 11:30 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 18:56	CH	EET MID

Client Sample ID: S-23, 1-2' Lab Sample ID: 880-33263-8

Date Collected: 09/13/23 11:35 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/17/23 00:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/17/23 00:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 15:27	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 19:16	CH	EET MID

Client Sample ID: S-24, 0-1' Lab Sample ID: 880-33263-9

Date Collected: 09/13/23 11:40 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/17/23 01:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/17/23 01:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 15:49	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 19:23	CH	EET MID

Client Sample ID: S-24, 1-2' Lab Sample ID: 880-33263-10

Date Collected: 09/13/23 11:45 **Matrix: Solid**
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/17/23 01:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/17/23 01:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 16:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 16:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 19:43	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line
SDG: 22-0105-07

Client Sample ID: S-25, 0-1'
Lab Sample ID: 880-33263-11
Date Collected: 09/13/23 11:50
Matrix: Solid
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	62454	09/14/23 13:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/15/23 22:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/15/23 22:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 16:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 19:50	CH	EET MID

Client Sample ID: S-25, 1-2'
Lab Sample ID: 880-33263-12
Date Collected: 09/13/23 11:55
Matrix: Solid
Date Received: 09/14/23 08:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	62599	09/18/23 15:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62672	09/19/23 02:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62746	09/19/23 02:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			62715	09/15/23 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	62410	09/14/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 16:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	62554	09/15/23 10:50	SMC	EET MID
Soluble	Analysis	300.0		1			62732	09/17/23 19:56	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-33263-1
Project/Site: Salado Draw Water Lap Line SDG: 22-0105-07

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: Salado Draw Water Lap Line

Job ID: 880-33263-1
SDG: 22-0105-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-33263-1	S-20, 0-1'	Solid	09/13/23 11:00	09/14/23 08:13
880-33263-2	S-20, 1-2'	Solid	09/13/23 11:05	09/14/23 08:13
880-33263-3	S-21, 0-1'	Solid	09/13/23 11:10	09/14/23 08:13
880-33263-4	S-21, 1-2'	Solid	09/13/23 11:15	09/14/23 08:13
880-33263-5	S-22, 0-1'	Solid	09/13/23 11:20	09/14/23 08:13
880-33263-6	S-22, 1-2'	Solid	09/13/23 11:25	09/14/23 08:13
880-33263-7	S-23, 0-1'	Solid	09/13/23 11:30	09/14/23 08:13
880-33263-8	S-23, 1-2'	Solid	09/13/23 11:35	09/14/23 08:13
880-33263-9	S-24, 0-1'	Solid	09/13/23 11:40	09/14/23 08:13
880-33263-10	S-24, 1-2'	Solid	09/13/23 11:45	09/14/23 08:13
880-33263-11	S-25, 0-1'	Solid	09/13/23 11:50	09/14/23 08:13
880-33263-12	S-25, 1-2'	Solid	09/13/23 11:55	09/14/23 08:13

Page 316 of 466

33263 No. 3099

CHAIN-OF-CUSTODY

9/19/2023

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

DATE 9-13-23 PAGE 1 OF 1

PO# LAB WORK ORDER#

PROJECT LOCATION OR NAME Salado Draw Water loop line

LAI PROJECT # 22-0105-07 COLLECTOR: KG

Data Reported to

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State MST / NM

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

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	GASOLINE MOD 8015	DIESEL - MOD 8015	OIL - MOD 8015	CHLORIDE	FIELD NOTES
S-20, 0-1'		9-13-23	1100	S	1				X		X	X	X	X	X	
S-20, 1-2'			1105													
S-21, 0-1'			1110													
S-21, 1-2'			1115													
S-22, 0-1'			1120													
S-22, 1-2'			1125													
S-23, 0-1'			1130													
S-23, 1-2'			1135													
S-24, 0-1'			1140													
S-24, 1-2'			1145													
S-25, 0-1'			1150													
S-25, 1-2'			1155													
TOTAL																

880-33263 Chain of Custody

RELINQUISHED BY (Signature) DATE/TIME 9/14/23 0813 RECEIVED BY (Signature) 9/14/23 E13

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

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

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 1.3/1.0 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Page 33 of 34

Received by OCD: 11/7/2024 11:03:04 AM

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Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-33263-1
SDG Number: 22-0105-07

Login Number: 33263
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/24/2023 10:54:26 AM

JOB DESCRIPTION

Salado Draw Water Loop Line
SDG NUMBER 22-0105-07

JOB NUMBER

880-31986-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Holly Taylor

Generated
8/24/2023 10:54:26 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 15
QC Sample Results 16
QC Association Summary 20
Lab Chronicle 23
Certification Summary 27
Method Summary 28
Sample Summary 29
Chain of Custody 30
Receipt Checklists 31

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Job ID: 880-31986-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-31986-1

Receipt
The samples were received on 8/14/2023 9:52 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.0°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: C-4 1.5' (880-31986-4), C-6 1.5' (880-31986-6) and C-7 1.5' (880-31986-7). 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-10 0-1.5' (880-31986-10), C-11 0-1.5' (880-31986-11) and C-12 0-1.5' (880-31986-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-60871 and analytical batch 880-60869 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 continuing calibration verification (CCV) associated with batch 880-60869 recovered above the upper control limit for Toluene, m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-60869/2).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60831 and analytical batch 880-60856 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60856/20), (CCV 880-60856/31) and (CCV 880-60856/5). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-60243 and analytical batch 880-60335 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-11 0-1.5' (880-31986-11), C-12 0-1.5' (880-31986-12), (880-31986-A-11-B MS) and (880-31986-A-11-C MSD).

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: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

Client Sample ID: C-1 1'

Lab Sample ID: 880-31986-1
Matrix: Solid
Date Collected: 08/10/23 08:05
Date Received: 08/14/23 09:52

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 12:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 12:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 12:29	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		08/23/23 08:45	08/23/23 12:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 12:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/23/23 08:45	08/23/23 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*08/23/23 08:45*	*08/23/23 12:29*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*08/23/23 08:45*	*08/23/23 12:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/24/23 10:35	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			08/24/23 11:28	1

Method: SW846 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 16:06	08/23/23 13:38	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/22/23 16:06	08/23/23 13:38	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/22/23 16:06	08/23/23 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*08/22/23 16:06*	*08/23/23 13:38*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*08/22/23 16:06*	*08/23/23 13:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.6**		5.02		mg/Kg			08/16/23 00:44	1

Client Sample ID: C-2 0-1'

Lab Sample ID: 880-31986-2
Matrix: Solid
Date Collected: 08/10/23 08:10
Date Received: 08/14/23 09:52

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		08/23/23 08:45	08/23/23 12:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/23/23 08:45	08/23/23 12:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/23/23 08:45	08/23/23 12:49	1
m,p-Xylenes	<0.00396	U *+	0.00396		mg/Kg		08/23/23 08:45	08/23/23 12:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/23/23 08:45	08/23/23 12:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/23/23 08:45	08/23/23 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/23/23 08:45*	*08/23/23 12:49*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/23/23 08:45*	*08/23/23 12:49*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

Client Sample ID: C-2 0-1'

Lab Sample ID: 880-31986-2
Matrix: Solid
Date Collected: 08/10/23 08:10
Date Received: 08/14/23 09:52

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			08/24/23 10:35	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			08/24/23 11:28	1

Method: SW846 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 16:06	08/23/23 14:00	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		08/22/23 16:06	08/23/23 14:00	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		08/22/23 16:06	08/23/23 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*08/22/23 16:06*	*08/23/23 14:00*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*08/22/23 16:06*	*08/23/23 14:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.0**		4.99		mg/Kg			08/16/23 01:15	1

Client Sample ID: C-3 1.5'

Lab Sample ID: 880-31986-3
Matrix: Solid
Date Collected: 08/10/23 08:15
Date Received: 08/14/23 09:52

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/23/23 08:45	08/23/23 13:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/23/23 08:45	08/23/23 13:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/23/23 08:45	08/23/23 13:10	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		08/23/23 08:45	08/23/23 13:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/23/23 08:45	08/23/23 13:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/23/23 08:45	08/23/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/23/23 08:45*	*08/23/23 13:10*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/23/23 08:45*	*08/23/23 13:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/23 10:35	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			08/24/23 11:28	1

Method: SW846 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 16:06	08/23/23 14:22	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		08/22/23 16:06	08/23/23 14:22	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

Client Sample ID: C-3 1.5'

Lab Sample ID: 880-31986-3
Matrix: Solid
Date Collected: 08/10/23 08:15
Date Received: 08/14/23 09:52

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		08/22/23 16:06	08/23/23 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*08/22/23 16:06*	*08/23/23 14:22*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*08/22/23 16:06*	*08/23/23 14:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**56.0**		5.04		mg/Kg			08/16/23 01:26	1

Client Sample ID: C-4 1.5'

Lab Sample ID: 880-31986-4
Matrix: Solid
Date Collected: 08/10/23 08:20
Date Received: 08/14/23 09:52

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		08/23/23 08:45	08/23/23 13:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/23/23 08:45	08/23/23 13:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/23/23 08:45	08/23/23 13:30	1
m,p-Xylenes	<0.00404	U *+	0.00404		mg/Kg		08/23/23 08:45	08/23/23 13:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/23/23 08:45	08/23/23 13:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/23/23 08:45	08/23/23 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*08/23/23 08:45*	*08/23/23 13:30*	*1*
1,4-Difluorobenzene (Surr)	*56*	*S1-*	*70 - 130*	*08/23/23 08:45*	*08/23/23 13:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/24/23 10:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/24/23 11:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/22/23 16:06	08/23/23 15:07	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/22/23 16:06	08/23/23 15:07	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/22/23 16:06	08/23/23 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*08/22/23 16:06*	*08/23/23 15:07*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*08/22/23 16:06*	*08/23/23 15:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.9**		5.02		mg/Kg			08/16/23 01:36	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

Client Sample ID: C-5 1.5'

Lab Sample ID: 880-31986-5
Matrix: Solid
Date Collected: 08/10/23 08:25
Date Received: 08/14/23 09:52

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 13:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 13:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 13:51	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		08/23/23 08:45	08/23/23 13:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 13:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/23/23 08:45	08/23/23 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/23/23 08:45*	*08/23/23 13:51*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*08/23/23 08:45*	*08/23/23 13:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/24/23 10:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/24/23 11:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/22/23 16:06	08/23/23 15:29	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/22/23 16:06	08/23/23 15:29	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/22/23 16:06	08/23/23 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*08/22/23 16:06*	*08/23/23 15:29*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*08/22/23 16:06*	*08/23/23 15:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.4**		4.97		mg/Kg			08/16/23 01:47	1

Client Sample ID: C-6 1.5'

Lab Sample ID: 880-31986-6
Matrix: Solid
Date Collected: 08/10/23 08:30
Date Received: 08/14/23 09:52

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		08/23/23 08:45	08/23/23 14:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/23/23 08:45	08/23/23 14:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/23/23 08:45	08/23/23 14:11	1
m,p-Xylenes	<0.00397	U *+	0.00397		mg/Kg		08/23/23 08:45	08/23/23 14:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/23/23 08:45	08/23/23 14:11	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/23/23 08:45	08/23/23 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/23/23 08:45*	*08/23/23 14:11*	*1*
1,4-Difluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*08/23/23 08:45*	*08/23/23 14:11*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-6 1.5'
Lab Sample ID: 880-31986-6
Date Collected: 08/10/23 08:30 **Matrix: Solid**
Date Received: 08/14/23 09:52

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			08/24/23 10:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/24/23 11:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/22/23 16:06	08/23/23 15:51	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/22/23 16:06	08/23/23 15:51	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/22/23 16:06	08/23/23 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*08/22/23 16:06*	*08/23/23 15:51*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*08/22/23 16:06*	*08/23/23 15:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.2**		4.98		mg/Kg			08/16/23 02:18	1

Client Sample ID: C-7 1.5'
Lab Sample ID: 880-31986-7
Date Collected: 08/10/23 08:35 **Matrix: Solid**
Date Received: 08/14/23 09:52

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 14:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 14:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 14:32	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		08/23/23 08:45	08/23/23 14:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 14:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/23/23 08:45	08/23/23 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/23/23 08:45*	*08/23/23 14:32*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*08/23/23 08:45*	*08/23/23 14:32*	*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			08/24/23 10:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/24/23 11:28	1

Method: 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 16:06	08/23/23 16:13	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/22/23 16:06	08/23/23 16:13	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-7 1.5' Lab Sample ID: 880-31986-7

Date Collected: 08/10/23 08:35 **Matrix: Solid**
Date Received: 08/14/23 09:52

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/22/23 16:06	08/23/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*08/22/23 16:06*	*08/23/23 16:13*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*08/22/23 16:06*	*08/23/23 16:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.3**		4.98		mg/Kg			08/16/23 02:28	1

Client Sample ID: C-8 1.5' Lab Sample ID: 880-31986-8

Date Collected: 08/10/23 08:40 **Matrix: Solid**
Date Received: 08/14/23 09:52

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 14:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 14:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 14:52	1
m,p-Xylenes	<0.00400	U *+	0.00400		mg/Kg		08/23/23 08:45	08/23/23 14:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 14:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/23/23 08:45	08/23/23 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/23/23 08:45*	*08/23/23 14:52*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/23/23 08:45*	*08/23/23 14:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/24/23 10:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/24/23 11:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/22/23 16:06	08/23/23 16:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/22/23 16:06	08/23/23 16:35	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/22/23 16:06	08/23/23 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*08/22/23 16:06*	*08/23/23 16:35*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*08/22/23 16:06*	*08/23/23 16:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.7**		5.02		mg/Kg			08/16/23 02:38	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

Client Sample ID: C-9 1.5'

Lab Sample ID: 880-31986-9
Matrix: Solid
Date Collected: 08/10/23 08:45
Date Received: 08/14/23 09:52

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 15:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 15:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 15:13	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		08/23/23 08:45	08/23/23 15:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/23/23 08:45	08/23/23 15:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/23/23 08:45	08/23/23 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*08/23/23 08:45*	*08/23/23 15:13*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*08/23/23 08:45*	*08/23/23 15:13*	*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			08/24/23 10:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/24/23 11:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/22/23 16:06	08/23/23 16:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/22/23 16:06	08/23/23 16:57	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/22/23 16:06	08/23/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*08/22/23 16:06*	*08/23/23 16:57*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*08/22/23 16:06*	*08/23/23 16:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.2**		5.03		mg/Kg			08/16/23 02:49	1

Client Sample ID: C-10 0-1.5'

Lab Sample ID: 880-31986-10
Matrix: Solid
Date Collected: 08/10/23 08:50
Date Received: 08/14/23 09:52

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		08/23/23 08:45	08/23/23 15:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/23/23 08:45	08/23/23 15:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/23/23 08:45	08/23/23 15:33	1
m,p-Xylenes	<0.00403	U *+	0.00403		mg/Kg		08/23/23 08:45	08/23/23 15:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/23/23 08:45	08/23/23 15:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/23/23 08:45	08/23/23 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*08/23/23 08:45*	*08/23/23 15:33*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*08/23/23 08:45*	*08/23/23 15:33*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-10 0-1.5' Lab Sample ID: 880-31986-10

Date Collected: 08/10/23 08:50 **Matrix: Solid**
Date Received: 08/14/23 09:52

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			08/24/23 10:35	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			08/24/23 11:28	1

Method: SW846 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 16:06	08/23/23 17:19	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/22/23 16:06	08/23/23 17:19	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/22/23 16:06	08/23/23 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*08/22/23 16:06*	*08/23/23 17:19*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*08/22/23 16:06*	*08/23/23 17:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.6**		4.95		mg/Kg			08/16/23 02:59	1

Client Sample ID: C-11 0-1.5' Lab Sample ID: 880-31986-11

Date Collected: 08/10/23 08:55 **Matrix: Solid**
Date Received: 08/14/23 09:52

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 16:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 16:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 16:57	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		08/23/23 08:45	08/23/23 16:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 16:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/23/23 08:45	08/23/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/23/23 08:45*	*08/23/23 16:57*	*1*
1,4-Difluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*08/23/23 08:45*	*08/23/23 16:57*	*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			08/24/23 10:35	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			08/24/23 11:28	1

Method: 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 16:06	08/23/23 17:41	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/22/23 16:06	08/23/23 17:41	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-11 0-1.5' Lab Sample ID: 880-31986-11

Date Collected: 08/10/23 08:55 **Matrix: Solid**
Date Received: 08/14/23 09:52

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/22/23 16:06	08/23/23 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*08/22/23 16:06*	*08/23/23 17:41*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*08/22/23 16:06*	*08/23/23 17:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.6**	**F1**	4.99		mg/Kg			08/16/23 03:09	1

Client Sample ID: C-12 0-1.5' Lab Sample ID: 880-31986-12

Date Collected: 08/10/23 09:00 **Matrix: Solid**
Date Received: 08/14/23 09:52

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		08/23/23 08:45	08/23/23 17:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/23/23 08:45	08/23/23 17:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/23/23 08:45	08/23/23 17:18	1
m,p-Xylenes	<0.00403	U *+	0.00403		mg/Kg		08/23/23 08:45	08/23/23 17:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/23/23 08:45	08/23/23 17:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/23/23 08:45	08/23/23 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/23/23 08:45*	*08/23/23 17:18*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*08/23/23 08:45*	*08/23/23 17:18*	*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			08/24/23 10:35	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			08/24/23 11:28	1

Method: 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 16:06	08/23/23 18:03	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/22/23 16:06	08/23/23 18:03	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/22/23 16:06	08/23/23 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*08/22/23 16:06*	*08/23/23 18:03*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*08/22/23 16:06*	*08/23/23 18:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.0**		4.96		mg/Kg			08/16/23 03:40	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-31986-1	C-1 1'	100	70
880-31986-1 MS	C-1 1'	122	113
880-31986-1 MSD	C-1 1'	127	120
880-31986-2	C-2 0-1'	87	85
880-31986-3	C-3 1.5'	101	77
880-31986-4	C-4 1.5'	99	56 S1-
880-31986-5	C-5 1.5'	98	74
880-31986-6	C-6 1.5'	101	59 S1-
880-31986-7	C-7 1.5'	98	63 S1-
880-31986-8	C-8 1.5'	98	77
880-31986-9	C-9 1.5'	95	71
880-31986-10	C-10 0-1.5'	99	62 S1-
880-31986-11	C-11 0-1.5'	98	65 S1-
880-31986-12	C-12 0-1.5'	103	66 S1-
LCS 880-60871/1-A	Lab Control Sample	119	110
LCSD 880-60871/2-A	Lab Control Sample Dup	118	114
MB 880-60871/5-A	Method Blank	73	96

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-31986-1	C-1 1'	116	99
880-31986-2	C-2 0-1'	113	95
880-31986-3	C-3 1.5'	108	91
880-31986-4	C-4 1.5'	107	90
880-31986-5	C-5 1.5'	106	88
880-31986-6	C-6 1.5'	113	96
880-31986-7	C-7 1.5'	109	94
880-31986-8	C-8 1.5'	106	89
880-31986-9	C-9 1.5'	110	92
880-31986-10	C-10 0-1.5'	113	95
880-31986-11	C-11 0-1.5'	113	96
880-31986-12	C-12 0-1.5'	106	88
LCS 880-60831/2-A	Lab Control Sample	112	97
LCSD 880-60831/3-A	Lab Control Sample Dup	117	102
MB 880-60831/1-A	Method Blank	166 S1+	146 S1+

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60871/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60869 **Prep Batch: 60871**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 12:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 12:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 12:07	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/23/23 08:45	08/23/23 12:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/23/23 08:45	08/23/23 12:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/23/23 08:45	08/23/23 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*08/23/23 08:45*	*08/23/23 12:07*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/23/23 08:45*	*08/23/23 12:07*	*1*

Lab Sample ID: LCS 880-60871/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60869 **Prep Batch: 60871**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1017		mg/Kg		102	70 - 130		
Toluene			0.100	0.1196		mg/Kg		120	70 - 130		
Ethylbenzene			0.100	0.1179		mg/Kg		118	70 - 130		
m,p-Xylenes			0.200	0.2633	*+	mg/Kg		132	70 - 130		
o-Xylene			0.100	0.1279		mg/Kg		128	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-60871/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60869 **Prep Batch: 60871**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09507		mg/Kg		95	70 - 130	7	35
Toluene			0.100	0.1040		mg/Kg		104	70 - 130	14	35
Ethylbenzene			0.100	0.09942		mg/Kg		99	70 - 130	17	35
m,p-Xylenes			0.200	0.2191		mg/Kg		110	70 - 130	18	35
o-Xylene			0.100	0.1079		mg/Kg		108	70 - 130	17	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 880-31986-1 MS **Client Sample ID: C-1 1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60869 **Prep Batch: 60871**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.08878		mg/Kg		89	70 - 130		
Toluene	<0.00199	U	0.0996	0.1046		mg/Kg		105	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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

Lab Sample ID: 880-31986-1 MS **Client Sample ID: C-1 1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60869 **Prep Batch: 60871**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.1053		mg/Kg		106	70 - 130
m,p-Xylenes	<0.00398	U *+	0.199	0.2310		mg/Kg		116	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1126		mg/Kg		113	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: 880-31986-1 MSD **Client Sample ID: C-1 1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60869 **Prep Batch: 60871**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09959		mg/Kg		99	70 - 130	11	35
Toluene	<0.00199	U	0.100	0.1090		mg/Kg		109	70 - 130	4	35
Ethylbenzene	<0.00199	U	0.100	0.1104		mg/Kg		110	70 - 130	5	35
m,p-Xylenes	<0.00398	U *+	0.200	0.2439		mg/Kg		122	70 - 130	5	35
o-Xylene	<0.00199	U	0.100	0.1189		mg/Kg		119	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*

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

Lab Sample ID: MB 880-60831/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60856 **Prep Batch: 60831**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/22/23 16:06	08/23/23 07:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/22/23 16:06	08/23/23 07:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/22/23 16:06	08/23/23 07:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*166*	*S1+*	*70 - 130*	*08/22/23 16:06*	*08/23/23 07:45*	*1*
o-Terphenyl (Surr)	*146*	*S1+*	*70 - 130*	*08/22/23 16:06*	*08/23/23 07:45*	*1*

Lab Sample ID: LCS 880-60831/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60856 **Prep Batch: 60831**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	999.6		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	949.2		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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

Lab Sample ID: LCS 880-60831/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60856 **Prep Batch: 60831**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	112		70 - 130
o-Terphenyl (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-60831/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60856 **Prep Batch: 60831**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1008		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	953.9		mg/Kg		95	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	102		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60243/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60335

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/16/23 00:13	1

Lab Sample ID: LCS 880-60243/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60335

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	270.5		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-60243/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60335

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	270.9		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-31986-1 MS **Client Sample ID: C-1 1'**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	62.6		251	329.3		mg/Kg		106	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-31986-1 MSD
Matrix: Solid
Analysis Batch: 60335

Client Sample ID: C-1 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	62.6		251	329.5		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-31986-11 MS
Matrix: Solid
Analysis Batch: 60335

Client Sample ID: C-11 0-1.5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	79.6	F1	250	357.8	F1	mg/Kg		112	90 - 110

Lab Sample ID: 880-31986-11 MSD
Matrix: Solid
Analysis Batch: 60335

Client Sample ID: C-11 0-1.5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	79.6	F1	250	357.1	F1	mg/Kg		111	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

GC VOA

Analysis Batch: 60869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31986-1	C-1 1'	Total/NA	Solid	8021B	60871
880-31986-2	C-2 0-1'	Total/NA	Solid	8021B	60871
880-31986-3	C-3 1.5'	Total/NA	Solid	8021B	60871
880-31986-4	C-4 1.5'	Total/NA	Solid	8021B	60871
880-31986-5	C-5 1.5'	Total/NA	Solid	8021B	60871
880-31986-6	C-6 1.5'	Total/NA	Solid	8021B	60871
880-31986-7	C-7 1.5'	Total/NA	Solid	8021B	60871
880-31986-8	C-8 1.5'	Total/NA	Solid	8021B	60871
880-31986-9	C-9 1.5'	Total/NA	Solid	8021B	60871
880-31986-10	C-10 0-1.5'	Total/NA	Solid	8021B	60871
880-31986-11	C-11 0-1.5'	Total/NA	Solid	8021B	60871
880-31986-12	C-12 0-1.5'	Total/NA	Solid	8021B	60871
MB 880-60871/5-A	Method Blank	Total/NA	Solid	8021B	60871
LCS 880-60871/1-A	Lab Control Sample	Total/NA	Solid	8021B	60871
LCSD 880-60871/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60871
880-31986-1 MS	C-1 1'	Total/NA	Solid	8021B	60871
880-31986-1 MSD	C-1 1'	Total/NA	Solid	8021B	60871

Prep Batch: 60871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31986-1	C-1 1'	Total/NA	Solid	5035	
880-31986-2	C-2 0-1'	Total/NA	Solid	5035	
880-31986-3	C-3 1.5'	Total/NA	Solid	5035	
880-31986-4	C-4 1.5'	Total/NA	Solid	5035	
880-31986-5	C-5 1.5'	Total/NA	Solid	5035	
880-31986-6	C-6 1.5'	Total/NA	Solid	5035	
880-31986-7	C-7 1.5'	Total/NA	Solid	5035	
880-31986-8	C-8 1.5'	Total/NA	Solid	5035	
880-31986-9	C-9 1.5'	Total/NA	Solid	5035	
880-31986-10	C-10 0-1.5'	Total/NA	Solid	5035	
880-31986-11	C-11 0-1.5'	Total/NA	Solid	5035	
880-31986-12	C-12 0-1.5'	Total/NA	Solid	5035	
MB 880-60871/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60871/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60871/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31986-1 MS	C-1 1'	Total/NA	Solid	5035	
880-31986-1 MSD	C-1 1'	Total/NA	Solid	5035	

Analysis Batch: 60977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31986-1	C-1 1'	Total/NA	Solid	Total BTEX	
880-31986-2	C-2 0-1'	Total/NA	Solid	Total BTEX	
880-31986-3	C-3 1.5'	Total/NA	Solid	Total BTEX	
880-31986-4	C-4 1.5'	Total/NA	Solid	Total BTEX	
880-31986-5	C-5 1.5'	Total/NA	Solid	Total BTEX	
880-31986-6	C-6 1.5'	Total/NA	Solid	Total BTEX	
880-31986-7	C-7 1.5'	Total/NA	Solid	Total BTEX	
880-31986-8	C-8 1.5'	Total/NA	Solid	Total BTEX	
880-31986-9	C-9 1.5'	Total/NA	Solid	Total BTEX	
880-31986-10	C-10 0-1.5'	Total/NA	Solid	Total BTEX	
880-31986-11	C-11 0-1.5'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

GC VOA (Continued)

Analysis Batch: 60977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31986-12	C-12 0-1.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31986-1	C-1 1'	Total/NA	Solid	8015NM Prep	
880-31986-2	C-2 0-1'	Total/NA	Solid	8015NM Prep	
880-31986-3	C-3 1.5'	Total/NA	Solid	8015NM Prep	
880-31986-4	C-4 1.5'	Total/NA	Solid	8015NM Prep	
880-31986-5	C-5 1.5'	Total/NA	Solid	8015NM Prep	
880-31986-6	C-6 1.5'	Total/NA	Solid	8015NM Prep	
880-31986-7	C-7 1.5'	Total/NA	Solid	8015NM Prep	
880-31986-8	C-8 1.5'	Total/NA	Solid	8015NM Prep	
880-31986-9	C-9 1.5'	Total/NA	Solid	8015NM Prep	
880-31986-10	C-10 0-1.5'	Total/NA	Solid	8015NM Prep	
880-31986-11	C-11 0-1.5'	Total/NA	Solid	8015NM Prep	
880-31986-12	C-12 0-1.5'	Total/NA	Solid	8015NM Prep	
MB 880-60831/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60831/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60831/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31986-1	C-1 1'	Total/NA	Solid	8015B NM	60831
880-31986-2	C-2 0-1'	Total/NA	Solid	8015B NM	60831
880-31986-3	C-3 1.5'	Total/NA	Solid	8015B NM	60831
880-31986-4	C-4 1.5'	Total/NA	Solid	8015B NM	60831
880-31986-5	C-5 1.5'	Total/NA	Solid	8015B NM	60831
880-31986-6	C-6 1.5'	Total/NA	Solid	8015B NM	60831
880-31986-7	C-7 1.5'	Total/NA	Solid	8015B NM	60831
880-31986-8	C-8 1.5'	Total/NA	Solid	8015B NM	60831
880-31986-9	C-9 1.5'	Total/NA	Solid	8015B NM	60831
880-31986-10	C-10 0-1.5'	Total/NA	Solid	8015B NM	60831
880-31986-11	C-11 0-1.5'	Total/NA	Solid	8015B NM	60831
880-31986-12	C-12 0-1.5'	Total/NA	Solid	8015B NM	60831
MB 880-60831/1-A	Method Blank	Total/NA	Solid	8015B NM	60831
LCS 880-60831/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60831
LCSD 880-60831/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60831

Analysis Batch: 61004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31986-1	C-1 1'	Total/NA	Solid	8015 NM	
880-31986-2	C-2 0-1'	Total/NA	Solid	8015 NM	
880-31986-3	C-3 1.5'	Total/NA	Solid	8015 NM	
880-31986-4	C-4 1.5'	Total/NA	Solid	8015 NM	
880-31986-5	C-5 1.5'	Total/NA	Solid	8015 NM	
880-31986-6	C-6 1.5'	Total/NA	Solid	8015 NM	
880-31986-7	C-7 1.5'	Total/NA	Solid	8015 NM	
880-31986-8	C-8 1.5'	Total/NA	Solid	8015 NM	
880-31986-9	C-9 1.5'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

GC Semi VOA (Continued)

Analysis Batch: 61004 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31986-10	C-10 0-1.5'	Total/NA	Solid	8015 NM	
880-31986-11	C-11 0-1.5'	Total/NA	Solid	8015 NM	
880-31986-12	C-12 0-1.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 60243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31986-1	C-1 1'	Soluble	Solid	DI Leach	
880-31986-2	C-2 0-1'	Soluble	Solid	DI Leach	
880-31986-3	C-3 1.5'	Soluble	Solid	DI Leach	
880-31986-4	C-4 1.5'	Soluble	Solid	DI Leach	
880-31986-5	C-5 1.5'	Soluble	Solid	DI Leach	
880-31986-6	C-6 1.5'	Soluble	Solid	DI Leach	
880-31986-7	C-7 1.5'	Soluble	Solid	DI Leach	
880-31986-8	C-8 1.5'	Soluble	Solid	DI Leach	
880-31986-9	C-9 1.5'	Soluble	Solid	DI Leach	
880-31986-10	C-10 0-1.5'	Soluble	Solid	DI Leach	
880-31986-11	C-11 0-1.5'	Soluble	Solid	DI Leach	
880-31986-12	C-12 0-1.5'	Soluble	Solid	DI Leach	
MB 880-60243/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60243/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60243/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31986-1 MS	C-1 1'	Soluble	Solid	DI Leach	
880-31986-1 MSD	C-1 1'	Soluble	Solid	DI Leach	
880-31986-11 MS	C-11 0-1.5'	Soluble	Solid	DI Leach	
880-31986-11 MSD	C-11 0-1.5'	Soluble	Solid	DI Leach	

Analysis Batch: 60335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31986-1	C-1 1'	Soluble	Solid	300.0	60243
880-31986-2	C-2 0-1'	Soluble	Solid	300.0	60243
880-31986-3	C-3 1.5'	Soluble	Solid	300.0	60243
880-31986-4	C-4 1.5'	Soluble	Solid	300.0	60243
880-31986-5	C-5 1.5'	Soluble	Solid	300.0	60243
880-31986-6	C-6 1.5'	Soluble	Solid	300.0	60243
880-31986-7	C-7 1.5'	Soluble	Solid	300.0	60243
880-31986-8	C-8 1.5'	Soluble	Solid	300.0	60243
880-31986-9	C-9 1.5'	Soluble	Solid	300.0	60243
880-31986-10	C-10 0-1.5'	Soluble	Solid	300.0	60243
880-31986-11	C-11 0-1.5'	Soluble	Solid	300.0	60243
880-31986-12	C-12 0-1.5'	Soluble	Solid	300.0	60243
MB 880-60243/1-A	Method Blank	Soluble	Solid	300.0	60243
LCS 880-60243/2-A	Lab Control Sample	Soluble	Solid	300.0	60243
LCSD 880-60243/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60243
880-31986-1 MS	C-1 1'	Soluble	Solid	300.0	60243
880-31986-1 MSD	C-1 1'	Soluble	Solid	300.0	60243
880-31986-11 MS	C-11 0-1.5'	Soluble	Solid	300.0	60243
880-31986-11 MSD	C-11 0-1.5'	Soluble	Solid	300.0	60243

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

Client Sample ID: C-1 1'

Lab Sample ID: 880-31986-1
Matrix: Solid
Date Collected: 08/10/23 08:05
Date Received: 08/14/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 12:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 13:38	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 00:44	SMC	EET MID

Client Sample ID: C-2 0-1'

Lab Sample ID: 880-31986-2
Matrix: Solid
Date Collected: 08/10/23 08:10
Date Received: 08/14/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 12:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 14:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 01:15	SMC	EET MID

Client Sample ID: C-3 1.5'

Lab Sample ID: 880-31986-3
Matrix: Solid
Date Collected: 08/10/23 08:15
Date Received: 08/14/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 13:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 14:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 01:26	SMC	EET MID

Client Sample ID: C-4 1.5'

Lab Sample ID: 880-31986-4
Matrix: Solid
Date Collected: 08/10/23 08:20
Date Received: 08/14/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 13:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

Client Sample ID: C-4 1.5'

Date Collected: 08/10/23 08:20
Date Received: 08/14/23 09:52

Lab Sample ID: 880-31986-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 15:07	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 01:36	SMC	EET MID

Client Sample ID: C-5 1.5'

Date Collected: 08/10/23 08:25
Date Received: 08/14/23 09:52

Lab Sample ID: 880-31986-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 13:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 15:29	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 01:47	SMC	EET MID

Client Sample ID: C-6 1.5'

Date Collected: 08/10/23 08:30
Date Received: 08/14/23 09:52

Lab Sample ID: 880-31986-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 14:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 15:51	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 02:18	SMC	EET MID

Client Sample ID: C-7 1.5'

Date Collected: 08/10/23 08:35
Date Received: 08/14/23 09:52

Lab Sample ID: 880-31986-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 14:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 16:13	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-7 1.5' Lab Sample ID: 880-31986-7

Date Collected: 08/10/23 08:35 **Matrix: Solid**
Date Received: 08/14/23 09:52

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	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 02:28	SMC	EET MID

Client Sample ID: C-8 1.5' Lab Sample ID: 880-31986-8

Date Collected: 08/10/23 08:40 **Matrix: Solid**
Date Received: 08/14/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 14:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 16:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 02:38	SMC	EET MID

Client Sample ID: C-9 1.5' Lab Sample ID: 880-31986-9

Date Collected: 08/10/23 08:45 **Matrix: Solid**
Date Received: 08/14/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 15:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 16:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 02:49	SMC	EET MID

Client Sample ID: C-10 0-1.5' Lab Sample ID: 880-31986-10

Date Collected: 08/10/23 08:50 **Matrix: Solid**
Date Received: 08/14/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 15:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 17:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 02:59	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line
SDG: 22-0105-07

Client Sample ID: C-11 0-1.5'
Lab Sample ID: 880-31986-11
Date Collected: 08/10/23 08:55
Matrix: Solid
Date Received: 08/14/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 16:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 17:41	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 03:09	SMC	EET MID

Client Sample ID: C-12 0-1.5'
Lab Sample ID: 880-31986-12
Date Collected: 08/10/23 09:00
Matrix: Solid
Date Received: 08/14/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60871	08/23/23 08:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60869	08/23/23 17:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60977	08/24/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			61004	08/24/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60831	08/22/23 16:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60856	08/23/23 18:03	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60243	08/15/23 08:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60335	08/16/23 03:40	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. Job ID: 880-31986-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

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: Salado Draw Water Loop Line

Job ID: 880-31986-1
SDG: 22-0105-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31986-1	C-1 1'	Solid	08/10/23 08:05	08/14/23 09:52
880-31986-2	C-2 0-1'	Solid	08/10/23 08:10	08/14/23 09:52
880-31986-3	C-3 1.5'	Solid	08/10/23 08:15	08/14/23 09:52
880-31986-4	C-4 1.5'	Solid	08/10/23 08:20	08/14/23 09:52
880-31986-5	C-5 1.5'	Solid	08/10/23 08:25	08/14/23 09:52
880-31986-6	C-6 1.5'	Solid	08/10/23 08:30	08/14/23 09:52
880-31986-7	C-7 1.5'	Solid	08/10/23 08:35	08/14/23 09:52
880-31986-8	C-8 1.5'	Solid	08/10/23 08:40	08/14/23 09:52
880-31986-9	C-9 1.5'	Solid	08/10/23 08:45	08/14/23 09:52
880-31986-10	C-10 0-1.5'	Solid	08/10/23 08:50	08/14/23 09:52
880-31986-11	C-11 0-1.5'	Solid	08/10/23 08:55	08/14/23 09:52
880-31986-12	C-12 0-1.5'	Solid	08/10/23 09:00	08/14/23 09:52

Page 347 of 466

No. 2760

CHAIN-OF-CUSTODY

8/24/2023

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

DATE 8/14/2023 PAGE 1 OF 1

PO#. _____ LAB WORK ORDER# 31986

PROJECT LOCATION OR NAME SACADO DRAW WATER LINE LOOP

LAI PROJECT # 22-0105-07 COLLECTOR S. BATES

Data Reported to ROBERT NELSON / MARC LARSON

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MNT

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

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

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
C-1 0-1'		8/14/23	8:05	S	1				X		BTEX, TPH 418.1, TPH 1005, GASOLINE MOD 8015, DIESEL - MOD 8015, OIL - MOD 8015, TCLP - METALS (RCRA), TOTAL METALS (RCRA), LEAD - TOTAL, TCLP ☐, pH ☐	
C-2 0-1'			8:10		1							
C-3 1.5'			8:15		1							
C-4 1.5'			8:20		1							
C-5 1.5'			8:25		1							
C-6 1.5'			8:30		1							
C-7 1.5'			8:35		1							
C-8 1.5'			8:40		1							
C-9 1.5'			8:45		1							
C-10 0-1.5'			8:50		1							
C-11 0-1.5'			8:55		1							
C-12 0-1.5'			9:00		1							

TOTAL 12

880-31986 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	8/14/2023 0952	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
LABORATORY		

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

LABORATORY USE ONLY:
RECEIVING TEMP 1.3/-1 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Page 30 of 31

Received by OCD: 11/7/2024 11:03:04 AM

Released to Imaging: 1/24/2025 3:21:57 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-31986-1
SDG Number: 22-0105-07

Login Number: 31986
List Number: 1
Creator: Kramer, Jessica

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/25/2023 12:04:28 PM

JOB DESCRIPTION

Salado Draw Water Loop Line
SDG NUMBER 22-0105-07

JOB NUMBER

880-32232-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 1/24/2023 3:21:57 PM

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Holly Taylor

Generated
8/25/2023 12:04:28 PM

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

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Laboratory Job ID: 880-32232-1
SDG: 22-0105-07

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 12
QC Sample Results 13
QC Association Summary 18
Lab Chronicle 21
Certification Summary 24
Method Summary 25
Sample Summary 26
Chain of Custody 27
Receipt Checklists 28

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Job ID: 880-32232-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-32232-1

Receipt
The samples were received on 8/17/2023 11:13 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-61016/1-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60931 and 880-61008 and analytical batch 880-60954 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-61008/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-14 4.1' (880-32232-2), C-15 4.1' (880-32232-3), (880-32232-A-1-F MS) and (880-32232-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60954/20), (CCV 880-60954/31), (CCV 880-60954/47) and (CCV 880-60954/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-61008 and analytical batch 880-60954 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-61008 and analytical batch 880-60954 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-60565 and analytical batch 880-60833 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-13 4.1'
Lab Sample ID: 880-32232-1
Date Collected: 08/15/23 08:10 **Matrix: Solid**
Date Received: 08/17/23 11:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 04:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 04:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 04:40	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/24/23 13:43	08/25/23 04:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 04:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/24/23 13:43	08/25/23 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*08/24/23 13:43*	*08/25/23 04:40*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/24/23 13:43*	*08/25/23 04:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/25/23 09:26	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			08/25/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/24/23 11:58	08/24/23 20:52	1
Diesel Range Organics (Over C10-C28)	<50.5	U F1	50.5		mg/Kg		08/24/23 11:58	08/24/23 20:52	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/24/23 11:58	08/24/23 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*121*		*70 - 130*	*08/24/23 11:58*	*08/24/23 20:52*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*08/24/23 11:58*	*08/24/23 20:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13700**	**F1**	99.0		mg/Kg			08/22/23 17:55	20

Client Sample ID: C-14 4.1'
Lab Sample ID: 880-32232-2
Date Collected: 08/15/23 08:15 **Matrix: Solid**
Date Received: 08/17/23 11:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/24/23 13:43	08/25/23 05:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/24/23 13:43	08/25/23 05:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/24/23 13:43	08/25/23 05:01	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/24/23 13:43	08/25/23 05:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/24/23 13:43	08/25/23 05:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/24/23 13:43	08/25/23 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/24/23 13:43*	*08/25/23 05:01*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/24/23 13:43*	*08/25/23 05:01*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-32232-1
SDG: 22-0105-07

Client Sample ID: C-14 4.1'

Lab Sample ID: 880-32232-2
Matrix: Solid
Date Collected: 08/15/23 08:15
Date Received: 08/17/23 11:13

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/25/23 09:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/25/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/24/23 11:58	08/24/23 21:56	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/24/23 11:58	08/24/23 21:56	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/24/23 11:58	08/24/23 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*146*	*S1+*	*70 - 130*	*08/24/23 11:58*	*08/24/23 21:56*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*08/24/23 11:58*	*08/24/23 21:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**398**		5.02		mg/Kg			08/22/23 18:12	1

Client Sample ID: C-15 4.1'

Lab Sample ID: 880-32232-3
Matrix: Solid
Date Collected: 08/15/23 08:20
Date Received: 08/17/23 11:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/24/23 13:43	08/25/23 05:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/24/23 13:43	08/25/23 05:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/24/23 13:43	08/25/23 05:21	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		08/24/23 13:43	08/25/23 05:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/24/23 13:43	08/25/23 05:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/24/23 13:43	08/25/23 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/24/23 13:43*	*08/25/23 05:21*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/24/23 13:43*	*08/25/23 05:21*	*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 09:26	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			08/25/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/24/23 11:58	08/24/23 22:17	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/24/23 11:58	08/24/23 22:17	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-15 4.1'
Lab Sample ID: 880-32232-3
Date Collected: 08/15/23 08:20 **Matrix: Solid**
Date Received: 08/17/23 11:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/24/23 11:58	08/24/23 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*149*	*S1+*	*70 - 130*	*08/24/23 11:58*	*08/24/23 22:17*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*08/24/23 11:58*	*08/24/23 22:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**387**		4.98		mg/Kg			08/22/23 18:17	1

Client Sample ID: C-16 4.1'
Lab Sample ID: 880-32232-4
Date Collected: 08/15/23 08:25 **Matrix: Solid**
Date Received: 08/17/23 11:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/24/23 13:43	08/25/23 05:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/24/23 13:43	08/25/23 05:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/24/23 13:43	08/25/23 05:42	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/24/23 13:43	08/25/23 05:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/24/23 13:43	08/25/23 05:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/24/23 13:43	08/25/23 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*08/24/23 13:43*	*08/25/23 05:42*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*08/24/23 13:43*	*08/25/23 05:42*	*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 09:26	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			08/25/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/24/23 11:58	08/24/23 22:39	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/24/23 11:58	08/24/23 22:39	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/24/23 11:58	08/24/23 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*127*		*70 - 130*	*08/24/23 11:58*	*08/24/23 22:39*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*08/24/23 11:58*	*08/24/23 22:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**723**		5.00		mg/Kg			08/22/23 18:23	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-17 4.1'
Lab Sample ID: 880-32232-5
Date Collected: 08/15/23 08:30 **Matrix: Solid**
Date Received: 08/17/23 11:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 06:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 06:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 06:02	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		08/24/23 13:43	08/25/23 06:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 06:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/24/23 13:43	08/25/23 06:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*08/24/23 13:43*	*08/25/23 06:02*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*08/24/23 13:43*	*08/25/23 06:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/25/23 09:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/25/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/24/23 11:58	08/24/23 23:00	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/24/23 11:58	08/24/23 23:00	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/24/23 11:58	08/24/23 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*08/24/23 11:58*	*08/24/23 23:00*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*08/24/23 11:58*	*08/24/23 23:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**334**		4.99		mg/Kg			08/22/23 18:29	1

Client Sample ID: C-18 0-4.1'
Lab Sample ID: 880-32232-6
Date Collected: 08/15/23 08:35 **Matrix: Solid**
Date Received: 08/17/23 11:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 06:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 06:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 06:22	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		08/24/23 13:43	08/25/23 06:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/25/23 06:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/24/23 13:43	08/25/23 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*08/24/23 13:43*	*08/25/23 06:22*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/24/23 13:43*	*08/25/23 06:22*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-18 0-4.1'

Lab Sample ID: 880-32232-6
Date Collected: 08/15/23 08:35
Matrix: Solid
Date Received: 08/17/23 11:13

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 09:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/25/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/24/23 11:58	08/24/23 23:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/24/23 11:58	08/24/23 23:21	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/24/23 11:58	08/24/23 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*126*		*70 - 130*	*08/24/23 11:58*	*08/24/23 23:21*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*08/24/23 11:58*	*08/24/23 23:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2350**		25.2		mg/Kg			08/22/23 18:46	5

Client Sample ID: C-19 0-4.1'

Lab Sample ID: 880-32232-7
Date Collected: 08/15/23 08:40
Matrix: Solid
Date Received: 08/17/23 11:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/24/23 13:43	08/25/23 06:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/24/23 13:43	08/25/23 06:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/24/23 13:43	08/25/23 06:43	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/24/23 13:43	08/25/23 06:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/24/23 13:43	08/25/23 06:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/24/23 13:43	08/25/23 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/24/23 13:43*	*08/25/23 06:43*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*08/24/23 13:43*	*08/25/23 06:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/25/23 09:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/25/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/23/23 16:34	08/24/23 18:20	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/23/23 16:34	08/24/23 18:20	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-19 0-4.1' Lab Sample ID: 880-32232-7

Date Collected: 08/15/23 08:40 **Matrix: Solid**
Date Received: 08/17/23 11:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/23/23 16:34	08/24/23 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*120*		*70 - 130*	*08/23/23 16:34*	*08/24/23 18:20*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*08/23/23 16:34*	*08/24/23 18:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**422**		4.98		mg/Kg			08/22/23 18:51	1

Client Sample ID: C-20 0-4.1' Lab Sample ID: 880-32232-8

Date Collected: 08/15/23 08:45 **Matrix: Solid**
Date Received: 08/17/23 11:13

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/24/23 13:43	08/25/23 07:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/24/23 13:43	08/25/23 07:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/24/23 13:43	08/25/23 07:03	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/24/23 13:43	08/25/23 07:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/24/23 13:43	08/25/23 07:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/24/23 13:43	08/25/23 07:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/24/23 13:43*	*08/25/23 07:03*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/24/23 13:43*	*08/25/23 07:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/25/23 09:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/25/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/23 16:34	08/24/23 18:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/23 16:34	08/24/23 18:42	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/23 16:34	08/24/23 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*08/23/23 16:34*	*08/24/23 18:42*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*08/23/23 16:34*	*08/24/23 18:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**813**		4.99		mg/Kg			08/22/23 18:57	1

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-32232-1	C-13 4.1'	92	87
880-32232-2	C-14 4.1'	87	95
880-32232-3	C-15 4.1'	78	89
880-32232-4	C-16 4.1'	105	70
880-32232-5	C-17 4.1'	105	76
880-32232-6	C-18 0-4.1'	111	77
880-32232-7	C-19 0-4.1'	103	81
880-32232-8	C-20 0-4.1'	103	78
LCS 880-61016/1-A	Lab Control Sample	132 S1+	105
LCSD 880-61016/2-A	Lab Control Sample Dup	124	116
MB 880-60967/5-A	Method Blank	74	82
MB 880-61016/5-A	Method Blank	80	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-32232-1	C-13 4.1'	121	99
880-32232-1 MS	C-13 4.1'	131 S1+	95
880-32232-1 MSD	C-13 4.1'	141 S1+	106
880-32232-2	C-14 4.1'	146 S1+	119
880-32232-3	C-15 4.1'	149 S1+	120
880-32232-4	C-16 4.1'	127	104
880-32232-5	C-17 4.1'	115	92
880-32232-6	C-18 0-4.1'	126	99
880-32232-7	C-19 0-4.1'	120	97
880-32232-8	C-20 0-4.1'	116	93
LCS 880-60931/2-A	Lab Control Sample	110	108
LCS 880-61008/2-A	Lab Control Sample	111	106
LCSD 880-60931/3-A	Lab Control Sample Dup	119	100
LCSD 880-61008/3-A	Lab Control Sample Dup	133 S1+	112
MB 880-60931/1-A	Method Blank	181 S1+	153 S1+
MB 880-61008/1-A	Method Blank	200 S1+	162 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60967/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60964 **Prep Batch: 60967**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:04	08/24/23 12:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:04	08/24/23 12:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:04	08/24/23 12:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/24/23 09:04	08/24/23 12:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/24/23 09:04	08/24/23 12:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/24/23 09:04	08/24/23 12:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*08/24/23 09:04*	*08/24/23 12:37*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/24/23 09:04*	*08/24/23 12:37*	*1*

Lab Sample ID: MB 880-61016/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60964 **Prep Batch: 61016**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/24/23 23:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/24/23 23:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/24/23 23:53	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/24/23 13:43	08/24/23 23:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/24/23 13:43	08/24/23 23:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/24/23 13:43	08/24/23 23:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*08/24/23 13:43*	*08/24/23 23:53*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*08/24/23 13:43*	*08/24/23 23:53*	*1*

Lab Sample ID: LCS 880-61016/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60964 **Prep Batch: 61016**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1009		mg/Kg		101	70 - 130		
Toluene			0.100	0.1152		mg/Kg		115	70 - 130		
Ethylbenzene			0.100	0.1186		mg/Kg		119	70 - 130		
m,p-Xylenes			0.200	0.2401		mg/Kg		120	70 - 130		
o-Xylene			0.100	0.1297		mg/Kg		130	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-61016/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60964 **Prep Batch: 61016**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09661		mg/Kg		97	70 - 130	4	35

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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

Lab Sample ID: LCSD 880-61016/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60964 **Prep Batch: 61016**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1117		mg/Kg		112	70 - 130	3	35
Ethylbenzene			0.100	0.1149		mg/Kg		115	70 - 130	3	35
m,p-Xylenes			0.200	0.2604		mg/Kg		130	70 - 130	8	35
o-Xylene			0.100	0.1290		mg/Kg		129	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

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

Lab Sample ID: MB 880-60931/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60954 **Prep Batch: 60931**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/23 16:34	08/24/23 08:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/23 16:34	08/24/23 08:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/23 16:34	08/24/23 08:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*181*	*S1+*	*70 - 130*	*08/23/23 16:34*	*08/24/23 08:11*	*1*
o-Terphenyl (Surr)	*153*	*S1+*	*70 - 130*	*08/23/23 16:34*	*08/24/23 08:11*	*1*

Lab Sample ID: LCS 880-60931/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60954 **Prep Batch: 60931**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1004		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	853.0		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*110*		*70 - 130*
o-Terphenyl (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-60931/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60954 **Prep Batch: 60931**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1034		mg/Kg		103	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	912.3		mg/Kg		91	70 - 130	7	20

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QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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

Lab Sample ID: LCSD 880-60931/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60954 **Prep Batch: 60931**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	100		70 - 130

Lab Sample ID: MB 880-61008/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60954 **Prep Batch: 61008**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/24/23 11:58	08/24/23 19:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/24/23 11:58	08/24/23 19:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/24/23 11:58	08/24/23 19:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	200	S1+	70 - 130	08/24/23 11:58	08/24/23 19:47	1
o-Terphenyl (Surr)	162	S1+	70 - 130	08/24/23 11:58	08/24/23 19:47	1

Lab Sample ID: LCS 880-61008/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60954 **Prep Batch: 61008**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	843.3		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	837.0		mg/Kg		84	70 - 130		

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

Lab Sample ID: LCSD 880-61008/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60954 **Prep Batch: 61008**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1013		mg/Kg		101	70 - 130	18	20
Diesel Range Organics (Over C10-C28)			1000	1023		mg/Kg		102	70 - 130	20	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	133	S1+	70 - 130
o-Terphenyl (Surr)	112		70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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

Lab Sample ID: 880-32232-1 MS **Client Sample ID: C-13 4.1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60954 **Prep Batch: 61008**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	996	994.3		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.5	U F1	996	1233		mg/Kg		121	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*131*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-32232-1 MSD **Client Sample ID: C-13 4.1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 60954 **Prep Batch: 61008**

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	<50.5	U	996	1133		mg/Kg		110	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<50.5	U F1	996	1364	F1	mg/Kg		135	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*141*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*106*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60565/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60833

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/22/23 17:38	1

Lab Sample ID: LCS 880-60565/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60833

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	252.2		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-60565/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60833

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	267.8		mg/Kg		107	90 - 110	6	20

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-32232-1 MS **Client Sample ID: C-13 4.1'**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60833

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	13700	F1	4950	17530	F1	mg/Kg		77	90 - 110		

Lab Sample ID: 880-32232-1 MSD **Client Sample ID: C-13 4.1'**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 60833

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13700	F1	4950	17870	F1	mg/Kg		84	90 - 110	2	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

GC VOA

Analysis Batch: 60964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32232-1	C-13 4.1'	Total/NA	Solid	8021B	61016
880-32232-2	C-14 4.1'	Total/NA	Solid	8021B	61016
880-32232-3	C-15 4.1'	Total/NA	Solid	8021B	61016
880-32232-4	C-16 4.1'	Total/NA	Solid	8021B	61016
880-32232-5	C-17 4.1'	Total/NA	Solid	8021B	61016
880-32232-6	C-18 0-4.1'	Total/NA	Solid	8021B	61016
880-32232-7	C-19 0-4.1'	Total/NA	Solid	8021B	61016
880-32232-8	C-20 0-4.1'	Total/NA	Solid	8021B	61016
MB 880-60967/5-A	Method Blank	Total/NA	Solid	8021B	60967
MB 880-61016/5-A	Method Blank	Total/NA	Solid	8021B	61016
LCS 880-61016/1-A	Lab Control Sample	Total/NA	Solid	8021B	61016
LCSD 880-61016/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61016

Prep Batch: 60967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60967/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 61016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32232-1	C-13 4.1'	Total/NA	Solid	5035	
880-32232-2	C-14 4.1'	Total/NA	Solid	5035	
880-32232-3	C-15 4.1'	Total/NA	Solid	5035	
880-32232-4	C-16 4.1'	Total/NA	Solid	5035	
880-32232-5	C-17 4.1'	Total/NA	Solid	5035	
880-32232-6	C-18 0-4.1'	Total/NA	Solid	5035	
880-32232-7	C-19 0-4.1'	Total/NA	Solid	5035	
880-32232-8	C-20 0-4.1'	Total/NA	Solid	5035	
MB 880-61016/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61016/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61016/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 61095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32232-1	C-13 4.1'	Total/NA	Solid	Total BTEX	
880-32232-2	C-14 4.1'	Total/NA	Solid	Total BTEX	
880-32232-3	C-15 4.1'	Total/NA	Solid	Total BTEX	
880-32232-4	C-16 4.1'	Total/NA	Solid	Total BTEX	
880-32232-5	C-17 4.1'	Total/NA	Solid	Total BTEX	
880-32232-6	C-18 0-4.1'	Total/NA	Solid	Total BTEX	
880-32232-7	C-19 0-4.1'	Total/NA	Solid	Total BTEX	
880-32232-8	C-20 0-4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32232-7	C-19 0-4.1'	Total/NA	Solid	8015NM Prep	
880-32232-8	C-20 0-4.1'	Total/NA	Solid	8015NM Prep	
MB 880-60931/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60931/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60931/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

GC Semi VOA

Analysis Batch: 60954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32232-1	C-13 4.1'	Total/NA	Solid	8015B NM	61008
880-32232-2	C-14 4.1'	Total/NA	Solid	8015B NM	61008
880-32232-3	C-15 4.1'	Total/NA	Solid	8015B NM	61008
880-32232-4	C-16 4.1'	Total/NA	Solid	8015B NM	61008
880-32232-5	C-17 4.1'	Total/NA	Solid	8015B NM	61008
880-32232-6	C-18 0-4.1'	Total/NA	Solid	8015B NM	61008
880-32232-7	C-19 0-4.1'	Total/NA	Solid	8015B NM	60931
880-32232-8	C-20 0-4.1'	Total/NA	Solid	8015B NM	60931
MB 880-60931/1-A	Method Blank	Total/NA	Solid	8015B NM	60931
MB 880-61008/1-A	Method Blank	Total/NA	Solid	8015B NM	61008
LCS 880-60931/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60931
LCS 880-61008/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61008
LCSD 880-60931/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60931
LCSD 880-61008/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61008
880-32232-1 MS	C-13 4.1'	Total/NA	Solid	8015B NM	61008
880-32232-1 MSD	C-13 4.1'	Total/NA	Solid	8015B NM	61008

Prep Batch: 61008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32232-1	C-13 4.1'	Total/NA	Solid	8015NM Prep	
880-32232-2	C-14 4.1'	Total/NA	Solid	8015NM Prep	
880-32232-3	C-15 4.1'	Total/NA	Solid	8015NM Prep	
880-32232-4	C-16 4.1'	Total/NA	Solid	8015NM Prep	
880-32232-5	C-17 4.1'	Total/NA	Solid	8015NM Prep	
880-32232-6	C-18 0-4.1'	Total/NA	Solid	8015NM Prep	
MB 880-61008/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61008/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61008/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32232-1 MS	C-13 4.1'	Total/NA	Solid	8015NM Prep	
880-32232-1 MSD	C-13 4.1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32232-1	C-13 4.1'	Total/NA	Solid	8015 NM	
880-32232-2	C-14 4.1'	Total/NA	Solid	8015 NM	
880-32232-3	C-15 4.1'	Total/NA	Solid	8015 NM	
880-32232-4	C-16 4.1'	Total/NA	Solid	8015 NM	
880-32232-5	C-17 4.1'	Total/NA	Solid	8015 NM	
880-32232-6	C-18 0-4.1'	Total/NA	Solid	8015 NM	
880-32232-7	C-19 0-4.1'	Total/NA	Solid	8015 NM	
880-32232-8	C-20 0-4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 60565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32232-1	C-13 4.1'	Soluble	Solid	DI Leach	
880-32232-2	C-14 4.1'	Soluble	Solid	DI Leach	
880-32232-3	C-15 4.1'	Soluble	Solid	DI Leach	
880-32232-4	C-16 4.1'	Soluble	Solid	DI Leach	
880-32232-5	C-17 4.1'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-32232-1
SDG: 22-0105-07

HPLC/IC (Continued)

Leach Batch: 60565 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32232-6	C-18 0-4.1'	Soluble	Solid	DI Leach	
880-32232-7	C-19 0-4.1'	Soluble	Solid	DI Leach	
880-32232-8	C-20 0-4.1'	Soluble	Solid	DI Leach	
MB 880-60565/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60565/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60565/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32232-1 MS	C-13 4.1'	Soluble	Solid	DI Leach	
880-32232-1 MSD	C-13 4.1'	Soluble	Solid	DI Leach	

Analysis Batch: 60833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32232-1	C-13 4.1'	Soluble	Solid	300.0	60565
880-32232-2	C-14 4.1'	Soluble	Solid	300.0	60565
880-32232-3	C-15 4.1'	Soluble	Solid	300.0	60565
880-32232-4	C-16 4.1'	Soluble	Solid	300.0	60565
880-32232-5	C-17 4.1'	Soluble	Solid	300.0	60565
880-32232-6	C-18 0-4.1'	Soluble	Solid	300.0	60565
880-32232-7	C-19 0-4.1'	Soluble	Solid	300.0	60565
880-32232-8	C-20 0-4.1'	Soluble	Solid	300.0	60565
MB 880-60565/1-A	Method Blank	Soluble	Solid	300.0	60565
LCS 880-60565/2-A	Lab Control Sample	Soluble	Solid	300.0	60565
LCSD 880-60565/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60565
880-32232-1 MS	C-13 4.1'	Soluble	Solid	300.0	60565
880-32232-1 MSD	C-13 4.1'	Soluble	Solid	300.0	60565

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Client Sample ID: C-13 4.1' — Lab Sample ID: 880-32232-1

Date Collected: 08/15/23 08:10 **Matrix: Solid**
Date Received: 08/17/23 11:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	61016	08/24/23 13:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60964	08/25/23 04:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61095	08/25/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			61136	08/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	61008	08/24/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60954	08/24/23 20:52	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	60565	08/18/23 10:36	CH	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	60833	08/22/23 17:55	CH	EET MID

Client Sample ID: C-14 4.1' — Lab Sample ID: 880-32232-2

Date Collected: 08/15/23 08:15 **Matrix: Solid**
Date Received: 08/17/23 11:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	61016	08/24/23 13:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60964	08/25/23 05:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61095	08/25/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			61136	08/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	61008	08/24/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60954	08/24/23 21:56	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60565	08/18/23 10:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60833	08/22/23 18:12	CH	EET MID

Client Sample ID: C-15 4.1' — Lab Sample ID: 880-32232-3

Date Collected: 08/15/23 08:20 **Matrix: Solid**
Date Received: 08/17/23 11:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	61016	08/24/23 13:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60964	08/25/23 05:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61095	08/25/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			61136	08/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	61008	08/24/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60954	08/24/23 22:17	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60565	08/18/23 10:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60833	08/22/23 18:17	CH	EET MID

Client Sample ID: C-16 4.1' — Lab Sample ID: 880-32232-4

Date Collected: 08/15/23 08:25 **Matrix: Solid**
Date Received: 08/17/23 11:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	61016	08/24/23 13:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60964	08/25/23 05:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61095	08/25/23 09:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-32232-1
SDG: 22-0105-07

Client Sample ID: C-16 4.1'

Lab Sample ID: 880-32232-4
Matrix: Solid
Date Collected: 08/15/23 08:25
Date Received: 08/17/23 11:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			61136	08/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	61008	08/24/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60954	08/24/23 22:39	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	60565	08/18/23 10:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60833	08/22/23 18:23	CH	EET MID

Client Sample ID: C-17 4.1'

Lab Sample ID: 880-32232-5
Matrix: Solid
Date Collected: 08/15/23 08:30
Date Received: 08/17/23 11:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	61016	08/24/23 13:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60964	08/25/23 06:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61095	08/25/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			61136	08/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	61008	08/24/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60954	08/24/23 23:00	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60565	08/18/23 10:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60833	08/22/23 18:29	CH	EET MID

Client Sample ID: C-18 0-4.1'

Lab Sample ID: 880-32232-6
Matrix: Solid
Date Collected: 08/15/23 08:35
Date Received: 08/17/23 11:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	61016	08/24/23 13:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60964	08/25/23 06:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61095	08/25/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			61136	08/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	61008	08/24/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60954	08/24/23 23:21	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60565	08/18/23 10:36	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	60833	08/22/23 18:46	CH	EET MID

Client Sample ID: C-19 0-4.1'

Lab Sample ID: 880-32232-7
Matrix: Solid
Date Collected: 08/15/23 08:40
Date Received: 08/17/23 11:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	61016	08/24/23 13:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60964	08/25/23 06:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61095	08/25/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			61136	08/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60931	08/23/23 16:34	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60954	08/24/23 18:20	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop Line

Job ID: 880-32232-1
SDG: 22-0105-07

Client Sample ID: C-19 0-4.1'

Lab Sample ID: 880-32232-7
Matrix: Solid
Date Collected: 08/15/23 08:40
Date Received: 08/17/23 11:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	60565	08/18/23 10:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60833	08/22/23 18:51	CH	EET MID

Client Sample ID: C-20 0-4.1'

Lab Sample ID: 880-32232-8
Matrix: Solid
Date Collected: 08/15/23 08:45
Date Received: 08/17/23 11:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	61016	08/24/23 13:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60964	08/25/23 07:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61095	08/25/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			61136	08/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60931	08/23/23 16:34	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60954	08/24/23 18:42	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	60565	08/18/23 10:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60833	08/22/23 18:57	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-32232-1
Project/Site: Salado Draw Water Loop Line SDG: 22-0105-07

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: Salado Draw Water Loop Line

Job ID: 880-32232-1
SDG: 22-0105-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32232-1	C-13 4.1'	Solid	08/15/23 08:10	08/17/23 11:13
880-32232-2	C-14 4.1'	Solid	08/15/23 08:15	08/17/23 11:13
880-32232-3	C-15 4.1'	Solid	08/15/23 08:20	08/17/23 11:13
880-32232-4	C-16 4.1'	Solid	08/15/23 08:25	08/17/23 11:13
880-32232-5	C-17 4.1'	Solid	08/15/23 08:30	08/17/23 11:13
880-32232-6	C-18 0-4.1'	Solid	08/15/23 08:35	08/17/23 11:13
880-32232-7	C-19 0-4.1'	Solid	08/15/23 08:40	08/17/23 11:13
880-32232-8	C-20 0-4.1'	Solid	08/15/23 08:45	08/17/23 11:13

Page 375 of 466

No. 2761

32737

CHAIN-OF-CUSTODY

8/25/2023

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

DATE: 8/17/2023 PAGE 1 OF ___

PO#: ___ LAB WORK ORDER#: ___

PROJECT LOCATION OR NAME: SALADO DRAW WATER LOOP LINE

LAI PROJECT #: 22-0105-07 COLLECTOR: STAN BATES

Data Reported to: ROBERT NELSON / MARC CARLSON

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MNT

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

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

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
C-13 4.1'		8/15/23	8:10	S	1				X	X	X X X X	
C-14 4.1'			8:15		1							
C-15 4.1'			8:20		1							
C-16 4.1'			8:25		1							
C-17 4.1'			8:30		1							
C-18 0-4.1'			8:35		1							
C-19 0-4.1'			8:40		1							
C-20 0-4.1'			8:45		1							

TOTAL 8

880-32232 Chain of Custody

RELINQUISHED BY:(Signature) DATE/TIME 8/17/23 1113 RECEIVED BY: (Signature) 8/17/23 1113

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

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

LABORATORY: Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP: 0.0/0.3 THERM#: IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # ___
☑ HAND DELIVERED

Page 27 of 28

Received by OCD: 11/7/2024 11:03:04 AM

Released to Imaging: 1/24/2025 3:21:57 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-32232-1
SDG Number: 22-0105-07

Login Number: 32232
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/30/2023 9:29:45 AM

JOB DESCRIPTION

SALADO DRAW WATER LOOP LINE
SDG NUMBER 22-0105-07

JOB NUMBER

890-5148-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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my EOL

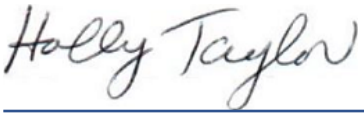
Eurofins Carlsbad

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
8/30/2023 9:29:45 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 18
QC Sample Results 19
QC Association Summary 23
Lab Chronicle 27
Certification Summary 31
Method Summary 32
Sample Summary 33
Chain of Custody 34
Receipt Checklists 35

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Qualifiers

GC VOA

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Job ID: 890-5148-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5148-1

Receipt
The samples were received on 8/23/2023 1:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-21 @4.1' (890-5148-1), C-22 @4.1' (890-5148-2), C-23 @4.1' (890-5148-3), C-24 @4.1' (890-5148-4), C-25 @4.1' (890-5148-5), C-26 @0-4.1' (890-5148-6), C-27 @0-4.1' (890-5148-7), C-28 @4.1' (890-5148-8), C-29 @4.1' (890-5148-9), C-30 @4.1' (890-5148-10), C-31 @4.1' (890-5148-11), C-32 @0-4.1' (890-5148-12) and C-33 @0-4.1' (890-5148-13).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-61493/1-A) and (LCSD 880-61493/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-21 @4.1' (890-5148-1) and (890-5154-A-1-E). 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-26 @0-4.1' (890-5148-6), C-27 @0-4.1' (890-5148-7) and C-28 @4.1' (890-5148-8). 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 880-61425 recovered above the upper control limit for m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-61425/20).

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-61493 and analytical batch 880-61425 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-61032 and analytical batch 880-61173 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-21 @4.1' (890-5148-1), C-22 @4.1' (890-5148-2), C-23 @4.1' (890-5148-3), C-24 @4.1' (890-5148-4), C-25 @4.1' (890-5148-5), C-26 @0-4.1' (890-5148-6), C-27 @0-4.1' (890-5148-7), C-28 @4.1' (890-5148-8), C-29 @4.1' (890-5148-9), C-30 @4.1' (890-5148-10), (890-5148-A-1-C MS) and (890-5148-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-31 @4.1' (890-5148-11), C-32 @0-4.1' (890-5148-12) and C-33 @0-4.1' (890-5148-13). 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 880-61173/20), (CCV 880-61173/31) and (CCV 880-61173/5). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SALADO DRAW WATER LOOP LINE

Job ID: 890-5148-1
SDG: 22-0105-07

Job ID: 890-5148-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SALADO DRAW WATER LOOP LINE

Job ID: 890-5148-1
SDG: 22-0105-07

Client Sample ID: C-21 @4.1'

Lab Sample ID: 890-5148-1
Matrix: Solid
Date Collected: 08/22/23 08:30
Date Received: 08/23/23 13:35
Sample Depth: 4.1

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		08/29/23 16:37	08/30/23 00:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/23 16:37	08/30/23 00:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/23 16:37	08/30/23 00:23	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		08/29/23 16:37	08/30/23 00:23	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		08/29/23 16:37	08/30/23 00:23	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		08/29/23 16:37	08/30/23 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*08/29/23 16:37*	*08/30/23 00:23*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*08/29/23 16:37*	*08/30/23 00:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/28/23 22:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/24/23 16:39	08/26/23 12:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/24/23 16:39	08/26/23 12:32	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/24/23 16:39	08/26/23 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*162*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 12:32*	*1*
o-Terphenyl (Surr)	*131*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 12:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**238**		4.98		mg/Kg			08/25/23 18:15	1

Client Sample ID: C-22 @4.1'

Lab Sample ID: 890-5148-2
Matrix: Solid
Date Collected: 08/22/23 08:35
Date Received: 08/23/23 13:35
Sample Depth: 4.1

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		08/29/23 16:37	08/30/23 00:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/29/23 16:37	08/30/23 00:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/29/23 16:37	08/30/23 00:43	1
m,p-Xylenes	<0.00396	U *+	0.00396		mg/Kg		08/29/23 16:37	08/30/23 00:43	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		08/29/23 16:37	08/30/23 00:43	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		08/29/23 16:37	08/30/23 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*08/29/23 16:37*	*08/30/23 00:43*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Client Sample ID: C-22 @4.1'

Lab Sample ID: 890-5148-2
Matrix: Solid
Date Collected: 08/22/23 08:35
Date Received: 08/23/23 13:35
Sample Depth: 4.1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/29/23 16:37*	*08/30/23 00:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			08/28/23 22:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		08/24/23 16:39	08/26/23 13:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		08/24/23 16:39	08/26/23 13:36	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		08/24/23 16:39	08/26/23 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*177*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 13:36*	*1*
o-Terphenyl (Surr)	*138*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 13:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		5.00	mg/Kg			08/25/23 18:23	1

Client Sample ID: C-23 @4.1'

Lab Sample ID: 890-5148-3
Matrix: Solid
Date Collected: 08/22/23 08:40
Date Received: 08/23/23 13:35
Sample Depth: 4.1

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		08/29/23 16:37	08/30/23 01:04	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/29/23 16:37	08/30/23 01:04	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/29/23 16:37	08/30/23 01:04	1
m,p-Xylenes	<0.00403	U *+	0.00403	mg/Kg		08/29/23 16:37	08/30/23 01:04	1
o-Xylene	<0.00202	U *+	0.00202	mg/Kg		08/29/23 16:37	08/30/23 01:04	1
Xylenes, Total	<0.00403	U *+	0.00403	mg/Kg		08/29/23 16:37	08/30/23 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*08/29/23 16:37*	*08/30/23 01:04*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/29/23 16:37*	*08/30/23 01:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/28/23 22:16	1

Eurofins Carlsbad

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SALADO DRAW WATER LOOP LINE

Job ID: 890-5148-1
SDG: 22-0105-07

Client Sample ID: C-23 @4.1'

Lab Sample ID: 890-5148-3
Matrix: Solid
Date Collected: 08/22/23 08:40
Date Received: 08/23/23 13:35
Sample Depth: 4.1

Method: 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		08/24/23 16:39	08/26/23 13:58	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/24/23 16:39	08/26/23 13:58	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/24/23 16:39	08/26/23 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*193*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 13:58*	*1*
o-Terphenyl (Surr)	*157*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 13:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		4.96		mg/Kg			08/25/23 18:30	1

Client Sample ID: C-24 @4.1'

Lab Sample ID: 890-5148-4
Matrix: Solid
Date Collected: 08/22/23 08:45
Date Received: 08/23/23 13:35
Sample Depth: 4.1

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		08/29/23 16:37	08/30/23 01:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/23 16:37	08/30/23 01:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/23 16:37	08/30/23 01:24	1
m,p-Xylenes	<0.00401	U *+	0.00401		mg/Kg		08/29/23 16:37	08/30/23 01:24	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/29/23 16:37	08/30/23 01:24	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		08/29/23 16:37	08/30/23 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*08/29/23 16:37*	*08/30/23 01:24*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/29/23 16:37*	*08/30/23 01:24*	*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			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/28/23 22:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/24/23 16:39	08/26/23 14:19	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/24/23 16:39	08/26/23 14:19	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/24/23 16:39	08/26/23 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*167*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 14:19*	*1*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 14:19*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Client Sample ID: C-24 @4.1'

Lab Sample ID: 890-5148-4
Matrix: Solid
Date Collected: 08/22/23 08:45
Date Received: 08/23/23 13:35
Sample Depth: 4.1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.97		mg/Kg			08/25/23 18:37	1

Client Sample ID: C-25 @4.1'

Lab Sample ID: 890-5148-5
Matrix: Solid
Date Collected: 08/22/23 08:50
Date Received: 08/23/23 13:35
Sample Depth: 4.1

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		08/29/23 16:37	08/30/23 02:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/23 16:37	08/30/23 02:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/23 16:37	08/30/23 02:47	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		08/29/23 16:37	08/30/23 02:47	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		08/29/23 16:37	08/30/23 02:47	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		08/29/23 16:37	08/30/23 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*08/29/23 16:37*	*08/30/23 02:47*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/29/23 16:37*	*08/30/23 02:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/28/23 22:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/24/23 16:39	08/26/23 14:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/24/23 16:39	08/26/23 14:41	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/24/23 16:39	08/26/23 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*161*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 14:41*	*1*
o-Terphenyl (Surr)	*126*		*70 - 130*	*08/24/23 16:39*	*08/26/23 14:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	247		5.00		mg/Kg			08/25/23 18:44	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Client Sample ID: C-26 @0-4.1'

Lab Sample ID: 890-5148-6
Matrix: Solid
Date Collected: 08/22/23 09:00
Date Received: 08/23/23 13:35
Sample Depth: 0 - 4.1

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		08/29/23 16:37	08/30/23 03:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/23 16:37	08/30/23 03:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/23 16:37	08/30/23 03:07	1
m,p-Xylenes	<0.00400	U *+	0.00400		mg/Kg		08/29/23 16:37	08/30/23 03:07	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/29/23 16:37	08/30/23 03:07	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		08/29/23 16:37	08/30/23 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*08/29/23 16:37*	*08/30/23 03:07*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*08/29/23 16:37*	*08/30/23 03:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/28/23 22:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/24/23 16:39	08/26/23 15:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/24/23 16:39	08/26/23 15:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/24/23 16:39	08/26/23 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*155*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 15:02*	*1*
o-Terphenyl (Surr)	*132*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 15:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**164**		4.98		mg/Kg			08/25/23 18:51	1

Client Sample ID: C-27 @0-4.1'

Lab Sample ID: 890-5148-7
Matrix: Solid
Date Collected: 08/22/23 09:10
Date Received: 08/23/23 13:35
Sample Depth: 0 - 4.1

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		08/29/23 16:37	08/30/23 03:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/29/23 16:37	08/30/23 03:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/29/23 16:37	08/30/23 03:28	1
m,p-Xylenes	<0.00396	U *+	0.00396		mg/Kg		08/29/23 16:37	08/30/23 03:28	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		08/29/23 16:37	08/30/23 03:28	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		08/29/23 16:37	08/30/23 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/29/23 16:37*	*08/30/23 03:28*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SALADO DRAW WATER LOOP LINE

Job ID: 890-5148-1
SDG: 22-0105-07

Client Sample ID: C-27 @0-4.1'

Lab Sample ID: 890-5148-7
Matrix: Solid
Date Collected: 08/22/23 09:10
Date Received: 08/23/23 13:35
Sample Depth: 0 - 4.1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*58*	*S1-*	*70 - 130*	*08/29/23 16:37*	*08/30/23 03:28*	*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			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			08/28/23 22:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		08/24/23 16:39	08/26/23 15:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/24/23 16:39	08/26/23 15:24	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/24/23 16:39	08/26/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*165*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 15:24*	*1*
o-Terphenyl (Surr)	*132*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 15:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87.8**		5.01	mg/Kg			08/25/23 18:58	1

Client Sample ID: C-28 @4.1'

Lab Sample ID: 890-5148-8
Matrix: Solid
Date Collected: 08/23/23 08:40
Date Received: 08/23/23 13:35
Sample Depth: 4.1

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		08/29/23 16:37	08/30/23 03:48	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/29/23 16:37	08/30/23 03:48	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/29/23 16:37	08/30/23 03:48	1
m,p-Xylenes	<0.00402	U *+	0.00402	mg/Kg		08/29/23 16:37	08/30/23 03:48	1
o-Xylene	<0.00201	U *+	0.00201	mg/Kg		08/29/23 16:37	08/30/23 03:48	1
Xylenes, Total	<0.00402	U *+	0.00402	mg/Kg		08/29/23 16:37	08/30/23 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*08/29/23 16:37*	*08/30/23 03:48*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*08/29/23 16:37*	*08/30/23 03:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			08/28/23 22:16	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Client Sample ID: C-28 @4.1'

Lab Sample ID: 890-5148-8
Matrix: Solid
Date Collected: 08/23/23 08:40
Date Received: 08/23/23 13:35
Sample Depth: 4.1

Method: 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		08/24/23 16:39	08/26/23 15:46	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/24/23 16:39	08/26/23 15:46	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/24/23 16:39	08/26/23 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*178*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 15:46*	*1*
o-Terphenyl (Surr)	*141*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 15:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**538**		4.98		mg/Kg			08/28/23 15:34	1

Client Sample ID: C-29 @4.1'

Lab Sample ID: 890-5148-9
Matrix: Solid
Date Collected: 08/23/23 08:45
Date Received: 08/23/23 13:35
Sample Depth: 4.1

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		08/29/23 16:37	08/30/23 04:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/29/23 16:37	08/30/23 04:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/29/23 16:37	08/30/23 04:09	1
m,p-Xylenes	<0.00404	U *+	0.00404		mg/Kg		08/29/23 16:37	08/30/23 04:09	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		08/29/23 16:37	08/30/23 04:09	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		08/29/23 16:37	08/30/23 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*08/29/23 16:37*	*08/30/23 04:09*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*08/29/23 16:37*	*08/30/23 04:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/28/23 22:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/24/23 16:39	08/26/23 16:07	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/24/23 16:39	08/26/23 16:07	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/24/23 16:39	08/26/23 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*161*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 16:07*	*1*
o-Terphenyl (Surr)	*124*		*70 - 130*	*08/24/23 16:39*	*08/26/23 16:07*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Client Sample ID: C-29 @4.1'

Lab Sample ID: 890-5148-9
Matrix: Solid
Date Collected: 08/23/23 08:45
Date Received: 08/23/23 13:35
Sample Depth: 4.1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3150		25.1		mg/Kg			08/28/23 15:41	5

Client Sample ID: C-30 @4.1'

Lab Sample ID: 890-5148-10
Matrix: Solid
Date Collected: 08/23/23 08:50
Date Received: 08/23/23 13:35
Sample Depth: 4.1

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		08/29/23 16:37	08/30/23 04:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/23 16:37	08/30/23 04:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/23 16:37	08/30/23 04:29	1
m,p-Xylenes	<0.00401	U *+	0.00401		mg/Kg		08/29/23 16:37	08/30/23 04:29	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/29/23 16:37	08/30/23 04:29	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		08/29/23 16:37	08/30/23 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*08/29/23 16:37*	*08/30/23 04:29*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/29/23 16:37*	*08/30/23 04:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/28/23 22:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/24/23 16:39	08/26/23 16:29	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/24/23 16:39	08/26/23 16:29	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/24/23 16:39	08/26/23 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*148*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 16:29*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*08/24/23 16:39*	*08/26/23 16:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1780		25.1		mg/Kg			08/28/23 15:48	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SALADO DRAW WATER LOOP LINE

Job ID: 890-5148-1
SDG: 22-0105-07

Client Sample ID: C-31 @4.1'

Lab Sample ID: 890-5148-11
Matrix: Solid
Date Collected: 08/23/23 08:55
Date Received: 08/23/23 13:35
Sample Depth: 4.1

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		08/29/23 16:37	08/30/23 04:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/23 16:37	08/30/23 04:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/23 16:37	08/30/23 04:50	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		08/29/23 16:37	08/30/23 04:50	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		08/29/23 16:37	08/30/23 04:50	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		08/29/23 16:37	08/30/23 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*08/29/23 16:37*	*08/30/23 04:50*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/29/23 16:37*	*08/30/23 04:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/28/23 22:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/24/23 16:39	08/26/23 17:12	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/24/23 16:39	08/26/23 17:12	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/24/23 16:39	08/26/23 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*162*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 17:12*	*1*
o-Terphenyl (Surr)	*134*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 17:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**166**		4.98		mg/Kg			08/28/23 15:54	1

Client Sample ID: C-32 @0-4.1'

Lab Sample ID: 890-5148-12
Matrix: Solid
Date Collected: 08/23/23 09:00
Date Received: 08/23/23 13:35
Sample Depth: 0 - 4.1

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		08/29/23 16:37	08/30/23 05:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/29/23 16:37	08/30/23 05:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/29/23 16:37	08/30/23 05:10	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		08/29/23 16:37	08/30/23 05:10	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		08/29/23 16:37	08/30/23 05:10	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		08/29/23 16:37	08/30/23 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*08/29/23 16:37*	*08/30/23 05:10*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Client Sample ID: C-32 @0-4.1'

Lab Sample ID: 890-5148-12
Matrix: Solid
Date Collected: 08/23/23 09:00
Date Received: 08/23/23 13:35
Sample Depth: 0 - 4.1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/29/23 16:37*	*08/30/23 05:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/28/23 22:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		08/24/23 16:39	08/26/23 17:33	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/24/23 16:39	08/26/23 17:33	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/24/23 16:39	08/26/23 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*153*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 17:33*	*1*
o-Terphenyl (Surr)	*131*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 17:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4290**		25.0	mg/Kg			08/28/23 16:01	5

Client Sample ID: C-33 @0-4.1'

Lab Sample ID: 890-5148-13
Matrix: Solid
Date Collected: 08/23/23 09:10
Date Received: 08/23/23 13:35
Sample Depth: 0 - 4.1

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		08/29/23 16:37	08/30/23 05:31	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/29/23 16:37	08/30/23 05:31	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/29/23 16:37	08/30/23 05:31	1
m,p-Xylenes	<0.00403	U *+	0.00403	mg/Kg		08/29/23 16:37	08/30/23 05:31	1
o-Xylene	<0.00202	U *+	0.00202	mg/Kg		08/29/23 16:37	08/30/23 05:31	1
Xylenes, Total	<0.00403	U *+	0.00403	mg/Kg		08/29/23 16:37	08/30/23 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*08/29/23 16:37*	*08/30/23 05:31*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/29/23 16:37*	*08/30/23 05:31*	*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			08/30/23 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/28/23 22:16	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Client Sample ID: C-33 @0-4.1' **Lab Sample ID: 890-5148-13**
Date Collected: 08/23/23 09:10 **Matrix: Solid**
Date Received: 08/23/23 13:35
Sample Depth: 0 - 4.1

Method: 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		08/24/23 16:39	08/26/23 17:55	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/24/23 16:39	08/26/23 17:55	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/24/23 16:39	08/26/23 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*165*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 17:55*	*1*
o-Terphenyl (Surr)	*134*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 17:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**788**		5.04		mg/Kg			08/28/23 16:08	1

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-5148-1	C-21 @4.1'	136 S1+	71
890-5148-2	C-22 @4.1'	70	77
890-5148-3	C-23 @4.1'	86	95
890-5148-4	C-24 @4.1'	108	82
890-5148-5	C-25 @4.1'	86	82
890-5148-6	C-26 @0-4.1'	132 S1+	111
890-5148-7	C-27 @0-4.1'	112	58 S1-
890-5148-8	C-28 @4.1'	138 S1+	74
890-5148-9	C-29 @4.1'	90	73
890-5148-10	C-30 @4.1'	107	86
890-5148-11	C-31 @4.1'	89	85
890-5148-12	C-32 @0-4.1'	94	80
890-5148-13	C-33 @0-4.1'	119	83
LCS 880-61493/1-A	Lab Control Sample	133 S1+	121
LCSD 880-61493/2-A	Lab Control Sample Dup	133 S1+	117
MB 880-61445/5-A	Method Blank	78	80
MB 880-61493/5-A	Method Blank	79	77

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-5148-1	C-21 @4.1'	162 S1+	131 S1+
890-5148-1 MS	C-21 @4.1'	157 S1+	113
890-5148-1 MSD	C-21 @4.1'	153 S1+	113
890-5148-2	C-22 @4.1'	177 S1+	138 S1+
890-5148-3	C-23 @4.1'	193 S1+	157 S1+
890-5148-4	C-24 @4.1'	167 S1+	137 S1+
890-5148-5	C-25 @4.1'	161 S1+	126
890-5148-6	C-26 @0-4.1'	155 S1+	132 S1+
890-5148-7	C-27 @0-4.1'	165 S1+	132 S1+
890-5148-8	C-28 @4.1'	178 S1+	141 S1+
890-5148-9	C-29 @4.1'	161 S1+	124
890-5148-10	C-30 @4.1'	148 S1+	119
890-5148-11	C-31 @4.1'	162 S1+	134 S1+
890-5148-12	C-32 @0-4.1'	153 S1+	131 S1+
890-5148-13	C-33 @0-4.1'	165 S1+	134 S1+
LCS 880-61032/2-A	Lab Control Sample	119	107
LCSD 880-61032/3-A	Lab Control Sample Dup	122	111
MB 880-61032/1-A	Method Blank	240 S1+	189 S1+

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-61445/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61425 **Prep Batch: 61445**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/23 10:54	08/29/23 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/23 10:54	08/29/23 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/23 10:54	08/29/23 11:23	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/29/23 10:54	08/29/23 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/23 10:54	08/29/23 11:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/29/23 10:54	08/29/23 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/29/23 10:54*	*08/29/23 11:23*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/29/23 10:54*	*08/29/23 11:23*	*1*

Lab Sample ID: MB 880-61493/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61425 **Prep Batch: 61493**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/23 16:37	08/29/23 21:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/23 16:37	08/29/23 21:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/23 16:37	08/29/23 21:58	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/29/23 16:37	08/29/23 21:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/23 16:37	08/29/23 21:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/29/23 16:37	08/29/23 21:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*08/29/23 16:37*	*08/29/23 21:58*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/29/23 16:37*	*08/29/23 21:58*	*1*

Lab Sample ID: LCS 880-61493/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61425 **Prep Batch: 61493**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09608		mg/Kg		96	70 - 130		
Toluene			0.100	0.1145		mg/Kg		114	70 - 130		
Ethylbenzene			0.100	0.1238		mg/Kg		124	70 - 130		
m,p-Xylenes			0.200	0.2758	*+	mg/Kg		138	70 - 130		
o-Xylene			0.100	0.1378	*+	mg/Kg		138	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*

Lab Sample ID: LCSD 880-61493/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61425 **Prep Batch: 61493**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09126		mg/Kg		91	70 - 130	5	35

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

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

Lab Sample ID: LCSD 880-61493/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61425 **Prep Batch: 61493**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1103		mg/Kg		110	70 - 130	4	35
Ethylbenzene			0.100	0.1161		mg/Kg		116	70 - 130	6	35
m,p-Xylenes			0.200	0.2563		mg/Kg		128	70 - 130	7	35
o-Xylene			0.100	0.1284		mg/Kg		128	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

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

Lab Sample ID: MB 880-61032/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61173 **Prep Batch: 61032**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/24/23 16:39	08/26/23 10:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/24/23 16:39	08/26/23 10:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/24/23 16:39	08/26/23 10:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*240*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 10:00*	*1*
o-Terphenyl (Surr)	*189*	*S1+*	*70 - 130*	*08/24/23 16:39*	*08/26/23 10:00*	*1*

Lab Sample ID: LCS 880-61032/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61173 **Prep Batch: 61032**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1085		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	880.5		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*119*		*70 - 130*
o-Terphenyl (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-61032/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61173 **Prep Batch: 61032**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1101		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	912.3		mg/Kg		91	70 - 130	4	20

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

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

Lab Sample ID: LCSD 880-61032/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61173 **Prep Batch: 61032**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	122		70 - 130
o-Terphenyl (Surr)	111		70 - 130

Lab Sample ID: 890-5148-1 MS **Client Sample ID: C-21 @4.1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61173 **Prep Batch: 61032**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	990	1028		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	990	1249		mg/Kg		126	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	157	S1+	70 - 130
o-Terphenyl (Surr)	113		70 - 130

Lab Sample ID: 890-5148-1 MSD **Client Sample ID: C-21 @4.1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 61173 **Prep Batch: 61032**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	990	993.7		mg/Kg		97	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	990	1204		mg/Kg		122	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	153	S1+	70 - 130
o-Terphenyl (Surr)	113		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60952/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 61021

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/25/23 15:24	1

Lab Sample ID: LCS 880-60952/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 61021

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

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-60952/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 61021

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-61143/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 61270

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/28/23 12:55	1

Lab Sample ID: LCS 880-61143/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 61270

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	246.7		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-61143/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 61270

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	248.0		mg/Kg		99	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

GC VOA

Analysis Batch: 61425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-1	C-21 @4.1'	Total/NA	Solid	8021B	61493
890-5148-2	C-22 @4.1'	Total/NA	Solid	8021B	61493
890-5148-3	C-23 @4.1'	Total/NA	Solid	8021B	61493
890-5148-4	C-24 @4.1'	Total/NA	Solid	8021B	61493
890-5148-5	C-25 @4.1'	Total/NA	Solid	8021B	61493
890-5148-6	C-26 @0-4.1'	Total/NA	Solid	8021B	61493
890-5148-7	C-27 @0-4.1'	Total/NA	Solid	8021B	61493
890-5148-8	C-28 @4.1'	Total/NA	Solid	8021B	61493
890-5148-9	C-29 @4.1'	Total/NA	Solid	8021B	61493
890-5148-10	C-30 @4.1'	Total/NA	Solid	8021B	61493
890-5148-11	C-31 @4.1'	Total/NA	Solid	8021B	61493
890-5148-12	C-32 @0-4.1'	Total/NA	Solid	8021B	61493
890-5148-13	C-33 @0-4.1'	Total/NA	Solid	8021B	61493
MB 880-61445/5-A	Method Blank	Total/NA	Solid	8021B	61445
MB 880-61493/5-A	Method Blank	Total/NA	Solid	8021B	61493
LCS 880-61493/1-A	Lab Control Sample	Total/NA	Solid	8021B	61493
LCSD 880-61493/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61493

Prep Batch: 61445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-61445/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 61493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-1	C-21 @4.1'	Total/NA	Solid	5035	
890-5148-2	C-22 @4.1'	Total/NA	Solid	5035	
890-5148-3	C-23 @4.1'	Total/NA	Solid	5035	
890-5148-4	C-24 @4.1'	Total/NA	Solid	5035	
890-5148-5	C-25 @4.1'	Total/NA	Solid	5035	
890-5148-6	C-26 @0-4.1'	Total/NA	Solid	5035	
890-5148-7	C-27 @0-4.1'	Total/NA	Solid	5035	
890-5148-8	C-28 @4.1'	Total/NA	Solid	5035	
890-5148-9	C-29 @4.1'	Total/NA	Solid	5035	
890-5148-10	C-30 @4.1'	Total/NA	Solid	5035	
890-5148-11	C-31 @4.1'	Total/NA	Solid	5035	
890-5148-12	C-32 @0-4.1'	Total/NA	Solid	5035	
890-5148-13	C-33 @0-4.1'	Total/NA	Solid	5035	
MB 880-61493/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61493/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61493/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 61526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-1	C-21 @4.1'	Total/NA	Solid	Total BTEX	
890-5148-2	C-22 @4.1'	Total/NA	Solid	Total BTEX	
890-5148-3	C-23 @4.1'	Total/NA	Solid	Total BTEX	
890-5148-4	C-24 @4.1'	Total/NA	Solid	Total BTEX	
890-5148-5	C-25 @4.1'	Total/NA	Solid	Total BTEX	
890-5148-6	C-26 @0-4.1'	Total/NA	Solid	Total BTEX	
890-5148-7	C-27 @0-4.1'	Total/NA	Solid	Total BTEX	
890-5148-8	C-28 @4.1'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

GC VOA (Continued)

Analysis Batch: 61526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-9	C-29 @4.1'	Total/NA	Solid	Total BTEX	
890-5148-10	C-30 @4.1'	Total/NA	Solid	Total BTEX	
890-5148-11	C-31 @4.1'	Total/NA	Solid	Total BTEX	
890-5148-12	C-32 @0-4.1'	Total/NA	Solid	Total BTEX	
890-5148-13	C-33 @0-4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 61032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-1	C-21 @4.1'	Total/NA	Solid	8015NM Prep	
890-5148-2	C-22 @4.1'	Total/NA	Solid	8015NM Prep	
890-5148-3	C-23 @4.1'	Total/NA	Solid	8015NM Prep	
890-5148-4	C-24 @4.1'	Total/NA	Solid	8015NM Prep	
890-5148-5	C-25 @4.1'	Total/NA	Solid	8015NM Prep	
890-5148-6	C-26 @0-4.1'	Total/NA	Solid	8015NM Prep	
890-5148-7	C-27 @0-4.1'	Total/NA	Solid	8015NM Prep	
890-5148-8	C-28 @4.1'	Total/NA	Solid	8015NM Prep	
890-5148-9	C-29 @4.1'	Total/NA	Solid	8015NM Prep	
890-5148-10	C-30 @4.1'	Total/NA	Solid	8015NM Prep	
890-5148-11	C-31 @4.1'	Total/NA	Solid	8015NM Prep	
890-5148-12	C-32 @0-4.1'	Total/NA	Solid	8015NM Prep	
890-5148-13	C-33 @0-4.1'	Total/NA	Solid	8015NM Prep	
MB 880-61032/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61032/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61032/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5148-1 MS	C-21 @4.1'	Total/NA	Solid	8015NM Prep	
890-5148-1 MSD	C-21 @4.1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-1	C-21 @4.1'	Total/NA	Solid	8015B NM	61032
890-5148-2	C-22 @4.1'	Total/NA	Solid	8015B NM	61032
890-5148-3	C-23 @4.1'	Total/NA	Solid	8015B NM	61032
890-5148-4	C-24 @4.1'	Total/NA	Solid	8015B NM	61032
890-5148-5	C-25 @4.1'	Total/NA	Solid	8015B NM	61032
890-5148-6	C-26 @0-4.1'	Total/NA	Solid	8015B NM	61032
890-5148-7	C-27 @0-4.1'	Total/NA	Solid	8015B NM	61032
890-5148-8	C-28 @4.1'	Total/NA	Solid	8015B NM	61032
890-5148-9	C-29 @4.1'	Total/NA	Solid	8015B NM	61032
890-5148-10	C-30 @4.1'	Total/NA	Solid	8015B NM	61032
890-5148-11	C-31 @4.1'	Total/NA	Solid	8015B NM	61032
890-5148-12	C-32 @0-4.1'	Total/NA	Solid	8015B NM	61032
890-5148-13	C-33 @0-4.1'	Total/NA	Solid	8015B NM	61032
MB 880-61032/1-A	Method Blank	Total/NA	Solid	8015B NM	61032
LCS 880-61032/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61032
LCSD 880-61032/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61032
890-5148-1 MS	C-21 @4.1'	Total/NA	Solid	8015B NM	61032
890-5148-1 MSD	C-21 @4.1'	Total/NA	Solid	8015B NM	61032

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

GC Semi VOA

Analysis Batch: 61396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-1	C-21 @4.1'	Total/NA	Solid	8015 NM	
890-5148-2	C-22 @4.1'	Total/NA	Solid	8015 NM	
890-5148-3	C-23 @4.1'	Total/NA	Solid	8015 NM	
890-5148-4	C-24 @4.1'	Total/NA	Solid	8015 NM	
890-5148-5	C-25 @4.1'	Total/NA	Solid	8015 NM	
890-5148-6	C-26 @0-4.1'	Total/NA	Solid	8015 NM	
890-5148-7	C-27 @0-4.1'	Total/NA	Solid	8015 NM	
890-5148-8	C-28 @4.1'	Total/NA	Solid	8015 NM	
890-5148-9	C-29 @4.1'	Total/NA	Solid	8015 NM	
890-5148-10	C-30 @4.1'	Total/NA	Solid	8015 NM	
890-5148-11	C-31 @4.1'	Total/NA	Solid	8015 NM	
890-5148-12	C-32 @0-4.1'	Total/NA	Solid	8015 NM	
890-5148-13	C-33 @0-4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 60952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-1	C-21 @4.1'	Soluble	Solid	DI Leach	
890-5148-2	C-22 @4.1'	Soluble	Solid	DI Leach	
890-5148-3	C-23 @4.1'	Soluble	Solid	DI Leach	
890-5148-4	C-24 @4.1'	Soluble	Solid	DI Leach	
890-5148-5	C-25 @4.1'	Soluble	Solid	DI Leach	
890-5148-6	C-26 @0-4.1'	Soluble	Solid	DI Leach	
890-5148-7	C-27 @0-4.1'	Soluble	Solid	DI Leach	
MB 880-60952/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60952/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60952/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 61021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-1	C-21 @4.1'	Soluble	Solid	300.0	60952
890-5148-2	C-22 @4.1'	Soluble	Solid	300.0	60952
890-5148-3	C-23 @4.1'	Soluble	Solid	300.0	60952
890-5148-4	C-24 @4.1'	Soluble	Solid	300.0	60952
890-5148-5	C-25 @4.1'	Soluble	Solid	300.0	60952
890-5148-6	C-26 @0-4.1'	Soluble	Solid	300.0	60952
890-5148-7	C-27 @0-4.1'	Soluble	Solid	300.0	60952
MB 880-60952/1-A	Method Blank	Soluble	Solid	300.0	60952
LCS 880-60952/2-A	Lab Control Sample	Soluble	Solid	300.0	60952
LCSD 880-60952/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60952

Leach Batch: 61143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-8	C-28 @4.1'	Soluble	Solid	DI Leach	
890-5148-9	C-29 @4.1'	Soluble	Solid	DI Leach	
890-5148-10	C-30 @4.1'	Soluble	Solid	DI Leach	
890-5148-11	C-31 @4.1'	Soluble	Solid	DI Leach	
890-5148-12	C-32 @0-4.1'	Soluble	Solid	DI Leach	
890-5148-13	C-33 @0-4.1'	Soluble	Solid	DI Leach	
MB 880-61143/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

HPLC/IC (Continued)

Leach Batch: 61143 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-61143/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-61143/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 61270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5148-8	C-28 @4.1'	Soluble	Solid	300.0	61143
890-5148-9	C-29 @4.1'	Soluble	Solid	300.0	61143
890-5148-10	C-30 @4.1'	Soluble	Solid	300.0	61143
890-5148-11	C-31 @4.1'	Soluble	Solid	300.0	61143
890-5148-12	C-32 @0-4.1'	Soluble	Solid	300.0	61143
890-5148-13	C-33 @0-4.1'	Soluble	Solid	300.0	61143
MB 880-61143/1-A	Method Blank	Soluble	Solid	300.0	61143
LCS 880-61143/2-A	Lab Control Sample	Soluble	Solid	300.0	61143
LCSD 880-61143/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	61143

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Client Sample ID: C-21 @4.1' Lab Sample ID: 890-5148-1

Date Collected: 08/22/23 08:30 **Matrix: Solid**
Date Received: 08/23/23 13:35

Prep 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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 00:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 12:32	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60952	08/24/23 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61021	08/25/23 18:15	CH	EET MID

Client Sample ID: C-22 @4.1' Lab Sample ID: 890-5148-2

Date Collected: 08/22/23 08:35 **Matrix: Solid**
Date Received: 08/23/23 13:35

Prep 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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 00:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 13:36	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	60952	08/24/23 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61021	08/25/23 18:23	CH	EET MID

Client Sample ID: C-23 @4.1' Lab Sample ID: 890-5148-3

Date Collected: 08/22/23 08:40 **Matrix: Solid**
Date Received: 08/23/23 13:35

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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 01:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 13:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60952	08/24/23 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61021	08/25/23 18:30	CH	EET MID

Client Sample ID: C-24 @4.1' Lab Sample ID: 890-5148-4

Date Collected: 08/22/23 08:45 **Matrix: Solid**
Date Received: 08/23/23 13:35

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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 01:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SALADO DRAW WATER LOOP LINE

Job ID: 890-5148-1
SDG: 22-0105-07

Client Sample ID: C-24 @4.1'

Lab Sample ID: 890-5148-4
Matrix: Solid
Date Collected: 08/22/23 08:45
Date Received: 08/23/23 13:35

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			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 14:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60952	08/24/23 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61021	08/25/23 18:37	CH	EET MID

Client Sample ID: C-25 @4.1'

Lab Sample ID: 890-5148-5
Matrix: Solid
Date Collected: 08/22/23 08:50
Date Received: 08/23/23 13:35

Prep 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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 02:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 14:41	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	60952	08/24/23 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61021	08/25/23 18:44	CH	EET MID

Client Sample ID: C-26 @0-4.1'

Lab Sample ID: 890-5148-6
Matrix: Solid
Date Collected: 08/22/23 09:00
Date Received: 08/23/23 13:35

Prep 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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 03:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 15:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60952	08/24/23 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61021	08/25/23 18:51	CH	EET MID

Client Sample ID: C-27 @0-4.1'

Lab Sample ID: 890-5148-7
Matrix: Solid
Date Collected: 08/22/23 09:10
Date Received: 08/23/23 13:35

Prep 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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 03:28	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 15:24	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Client Sample ID: C-27 @0-4.1' Lab Sample ID: 890-5148-7

Date Collected: 08/22/23 09:10 **Matrix: Solid**
Date Received: 08/23/23 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	60952	08/24/23 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61021	08/25/23 18:58	CH	EET MID

Client Sample ID: C-28 @4.1' Lab Sample ID: 890-5148-8

Date Collected: 08/23/23 08:40 **Matrix: Solid**
Date Received: 08/23/23 13:35

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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 03:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 15:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	61143	08/25/23 12:53	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61270	08/28/23 15:34	CH	EET MID

Client Sample ID: C-29 @4.1' Lab Sample ID: 890-5148-9

Date Collected: 08/23/23 08:45 **Matrix: Solid**
Date Received: 08/23/23 13:35

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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 04:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 16:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	61143	08/25/23 12:53	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	61270	08/28/23 15:41	CH	EET MID

Client Sample ID: C-30 @4.1' Lab Sample ID: 890-5148-10

Date Collected: 08/23/23 08:50 **Matrix: Solid**
Date Received: 08/23/23 13:35

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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 04:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 16:29	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	61143	08/25/23 12:53	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	61270	08/28/23 15:48	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE
SDG: 22-0105-07

Client Sample ID: C-31 @4.1'
Lab Sample ID: 890-5148-11
Date Collected: 08/23/23 08:55
Matrix: Solid
Date Received: 08/23/23 13:35

Prep 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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 04:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 17:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	61143	08/25/23 12:53	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61270	08/28/23 15:54	CH	EET MID

Client Sample ID: C-32 @0-4.1'
Lab Sample ID: 890-5148-12
Date Collected: 08/23/23 09:00
Matrix: Solid
Date Received: 08/23/23 13:35

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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 05:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 17:33	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	61143	08/25/23 12:53	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	61270	08/28/23 16:01	CH	EET MID

Client Sample ID: C-33 @0-4.1'
Lab Sample ID: 890-5148-13
Date Collected: 08/23/23 09:10
Matrix: Solid
Date Received: 08/23/23 13:35

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	61493	08/29/23 16:37	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61425	08/30/23 05:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61526	08/30/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			61396	08/28/23 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	61032	08/24/23 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61173	08/26/23 17:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	61143	08/25/23 12:53	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61270	08/28/23 16:08	CH	EET MID

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc. Job ID: 890-5148-1
Project/Site: SALADO DRAW WATER LOOP LINE SDG: 22-0105-07

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: SALADO DRAW WATER LOOP LINE

Job ID: 890-5148-1
SDG: 22-0105-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5148-1	C-21 @4.1'	Solid	08/22/23 08:30	08/23/23 13:35	4.1
890-5148-2	C-22 @4.1'	Solid	08/22/23 08:35	08/23/23 13:35	4.1
890-5148-3	C-23 @4.1'	Solid	08/22/23 08:40	08/23/23 13:35	4.1
890-5148-4	C-24 @4.1'	Solid	08/22/23 08:45	08/23/23 13:35	4.1
890-5148-5	C-25 @4.1'	Solid	08/22/23 08:50	08/23/23 13:35	4.1
890-5148-6	C-26 @0-4.1'	Solid	08/22/23 09:00	08/23/23 13:35	0 - 4.1
890-5148-7	C-27 @0-4.1'	Solid	08/22/23 09:10	08/23/23 13:35	0 - 4.1
890-5148-8	C-28 @4.1'	Solid	08/23/23 08:40	08/23/23 13:35	4.1
890-5148-9	C-29 @4.1'	Solid	08/23/23 08:45	08/23/23 13:35	4.1
890-5148-10	C-30 @4.1'	Solid	08/23/23 08:50	08/23/23 13:35	4.1
890-5148-11	C-31 @4.1'	Solid	08/23/23 08:55	08/23/23 13:35	4.1
890-5148-12	C-32 @0-4.1'	Solid	08/23/23 09:00	08/23/23 13:35	0 - 4.1
890-5148-13	C-33 @0-4.1'	Solid	08/23/23 09:10	08/23/23 13:35	0 - 4.1

Page 410 of 466

No. 2762

CHAIN-OF-CUSTODY

8/30/2023

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

DATE: 8/23/23 PAGE 1 OF 6

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: SALADO DRAW WATER LOOP LINE

LAI PROJECT #: 22-0105-07 COLLECTOR: STAN BATES

Data Reported to: ROBERT NELSON / MARC LARSON

TRRP report? ☐ Yes ☒ No

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

TIME ZONE: Time zone/State: MNT

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐ TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ 8082 PCBS ☐ TCLP - METALS (RCRA) ☐ TCLP - PEST ☐ HERB ☐ TCLP VOC ☐ TOTAL METALS (RCRA) ☐ Semi-VOC ☐ LEAD - TOTAL ☐ D.W. 200.8 ☐ OTHER LIST ☐ RCI ☐ TOX ☐ TCLP ☐ TDS ☐ TSS ☐ FLASHPOINT ☐ pH ☐ % MOISTURE ☐ HEXAVALENT CHROMIUM ☐ CYANIDE ☐ EXPLOSIVES ☐ PECHLORATE ☐ CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-21 @ 4.1'		8/22/23	8:30	S	1				X		X	XXX
C-22 @ 4.1'		8/22/23	8:35	S	1							
C-23 @ 4.1'		8/22/23	8:40	S	1							
C-24 @ 4.1'		8/22/23	8:45	S	1							
C-25 @ 4.1'		8/22/23	8:50	S	1							
C-26 @ 0-4.1'		8/22/23	9:00	S	1							
C-27 @ 0-4.1'		8/22/23	9:10	S	1							
C-28 @ 4.1'		8/23/23	8:40	S	1							
C-29 @ 4.1'		8/23/23	8:45	S	1							
C-30 @ 4.1'		8/23/23	8:50	S	1							
C-31 @ 4.1'		8/22/23	8:55	S	1							
C-32 @ 0-4.1'		8/23/23	9:00	S	1							
C-33 @ 0-4.1'		8/23/23	9:10	S	1							
TOTAL												



RELINQUISHED BY:(Signature) S. Bates DATE/TIME 8/22/23 RECEIVED BY: (Signature) Joe Cuff 8.23.23 1335

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

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

LABORATORY: XENCO

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

LABORATORY USE ONLY:
RECEIVING TEMP: 6.0 / 5.8 -0.2 THERM#: T_NM-004
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Page 34 of 36

Received by OCD: 11/7/2024 11:03:04 AM

Released to Imaging: 1/24/2025 3:21:57 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-5148-1
SDG Number: 22-0105-07

Login Number: 5148
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-5148-1
SDG Number: 22-0105-07

Login Number: 5148
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 08/24/23 10:58 AM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/8/2023 11:18:10 AM

JOB DESCRIPTION

Salado Draw Water Loop LHE
SDG NUMBER 22-0105-07

JOB NUMBER

880-35334-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 1/24/2023 3:21:37 PM

my EOL

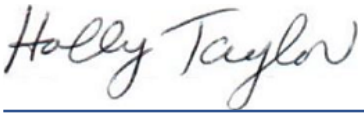
Eurofins Midland

Job Notes

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

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

Authorization



Generated
11/8/2023 11:18:10 AM

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

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop LHE

Laboratory Job ID: 880-35334-1
SDG: 22-0105-07

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 9
QC Sample Results 10
QC Association Summary 13
Lab Chronicle 15
Certification Summary 16
Method Summary 17
Sample Summary 18
Chain of Custody 19
Receipt Checklists 20

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-35334-1
Project/Site: Salado Draw Water Loop LHE SDG: 22-0105-07

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-35334-1
Project/Site: Salado Draw Water Loop LHE SDG: 22-0105-07

Job ID: 880-35334-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-35334-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 11/6/2023 11:22 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C

Receipt Exceptions
The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-66261 and analytical batch 880-66350 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BF-1 (880-35334-1) and BF-2 (880-35334-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-66317 and analytical batch 880-66340 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-66340/20), (CCV 880-66340/31), (CCV 880-66340/5), (CCV 880-66340/57) and (CCV 880-66340/58). Evidence of matrix interferences is not obvious.

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

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

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-35334-1
Project/Site: Salado Draw Water Loop LHE SDG: 22-0105-07

Client Sample ID: BF-1 Lab Sample ID: 880-35334-1

Date Collected: 11/01/23 15:00 **Matrix: Solid**
Date Received: 11/06/23 11:22

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/06/23 11:26	11/07/23 17:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/06/23 11:26	11/07/23 17:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/06/23 11:26	11/07/23 17:59	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		11/06/23 11:26	11/07/23 17:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/06/23 11:26	11/07/23 17:59	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/06/23 11:26	11/07/23 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/06/23 11:26*	*11/07/23 17:59*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*11/06/23 11:26*	*11/07/23 17:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/07/23 17:59	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			11/07/23 15:40	1

Method: 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		11/06/23 16:35	11/07/23 15:40	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/06/23 16:35	11/07/23 15:40	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/06/23 16:35	11/07/23 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*11/06/23 16:35*	*11/07/23 15:40*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*11/06/23 16:35*	*11/07/23 15:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.2**		5.02		mg/Kg			11/07/23 20:12	1

Client Sample ID: BF-2 Lab Sample ID: 880-35334-2

Date Collected: 11/01/23 15:15 **Matrix: Solid**
Date Received: 11/06/23 11:22

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/06/23 11:26	11/07/23 18:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/06/23 11:26	11/07/23 18:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/06/23 11:26	11/07/23 18:19	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/06/23 11:26	11/07/23 18:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/06/23 11:26	11/07/23 18:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/06/23 11:26	11/07/23 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*11/06/23 11:26*	*11/07/23 18:19*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*11/06/23 11:26*	*11/07/23 18:19*	*1*

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop LHE

Job ID: 880-35334-1
SDG: 22-0105-07

Client Sample ID: BF-2

Date Collected: 11/01/23 15:15
Date Received: 11/06/23 11:22

Lab Sample ID: 880-35334-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/07/23 18:19	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			11/07/23 16:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/06/23 16:35	11/07/23 16:02	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/06/23 16:35	11/07/23 16:02	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/06/23 16:35	11/07/23 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*11/06/23 16:35*	*11/07/23 16:02*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*11/06/23 16:35*	*11/07/23 16:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.1**		5.02		mg/Kg			11/07/23 20:28	1

Client Sample ID: BF-3

Date Collected: 11/01/23 15:20
Date Received: 11/06/23 11:22

Lab Sample ID: 880-35334-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/06/23 11:26	11/07/23 18:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/06/23 11:26	11/07/23 18:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/06/23 11:26	11/07/23 18:40	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/06/23 11:26	11/07/23 18:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/06/23 11:26	11/07/23 18:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/06/23 11:26	11/07/23 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*11/06/23 11:26*	*11/07/23 18:40*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/06/23 11:26*	*11/07/23 18:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/07/23 18:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/07/23 16:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/06/23 16:35	11/07/23 16:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/06/23 16:35	11/07/23 16:49	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop LHE

Job ID: 880-35334-1
SDG: 22-0105-07

Client Sample ID: BF-3
Date Collected: 11/01/23 15:20
Date Received: 11/06/23 11:22

Lab Sample ID: 880-35334-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/06/23 16:35	11/07/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*11/06/23 16:35*	*11/07/23 16:49*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*11/06/23 16:35*	*11/07/23 16:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.9**		4.96		mg/Kg			11/07/23 20:33	1

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-35334-1
Project/Site: Salado Draw Water Loop LHE SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-35334-1	BF-1	94	67 S1-
880-35334-2	BF-2	91	66 S1-
880-35334-3	BF-3	80	94
LCS 880-66261/1-A	Lab Control Sample	110	114
LCSD 880-66261/2-A	Lab Control Sample Dup	111	99
MB 880-66261/5-A	Method Blank	69 S1-	99

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-35334-1	BF-1	88	88
880-35334-2	BF-2	90	88
880-35334-3	BF-3	85	85
LCS 880-66317/2-A	Lab Control Sample	103	115
LCSD 880-66317/3-A	Lab Control Sample Dup	98	101
MB 880-66317/1-A	Method Blank	162 S1+	169 S1+

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-35334-1
Project/Site: Salado Draw Water Loop LHE SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-66261/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 66350 **Prep Batch: 66261**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/06/23 11:26	11/07/23 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/23 11:26	11/07/23 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/23 11:26	11/07/23 11:06	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/06/23 11:26	11/07/23 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/23 11:26	11/07/23 11:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/06/23 11:26	11/07/23 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*11/06/23 11:26*	*11/07/23 11:06*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/06/23 11:26*	*11/07/23 11:06*	*1*

Lab Sample ID: LCS 880-66261/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 66350 **Prep Batch: 66261**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1281		mg/Kg		128	70 - 130		
Toluene			0.100	0.1106		mg/Kg		111	70 - 130		
Ethylbenzene			0.100	0.1100		mg/Kg		110	70 - 130		
m,p-Xylenes			0.200	0.2373		mg/Kg		119	70 - 130		
o-Xylene			0.100	0.1139		mg/Kg		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: LCSD 880-66261/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 66350 **Prep Batch: 66261**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1137		mg/Kg		114	70 - 130	12	35
Toluene			0.100	0.1070		mg/Kg		107	70 - 130	3	35
Ethylbenzene			0.100	0.1028		mg/Kg		103	70 - 130	7	35
m,p-Xylenes			0.200	0.2219		mg/Kg		111	70 - 130	7	35
o-Xylene			0.100	0.1056		mg/Kg		106	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-35334-1
Project/Site: Salado Draw Water Loop LHE SDG: 22-0105-07

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

Lab Sample ID: MB 880-66317/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 66340 **Prep Batch: 66317**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/06/23 16:35	11/07/23 08:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/06/23 16:35	11/07/23 08:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/06/23 16:35	11/07/23 08:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*162*	*S1+*	*70 - 130*	*11/06/23 16:35*	*11/07/23 08:58*	*1*
o-Terphenyl (Surr)	*169*	*S1+*	*70 - 130*	*11/06/23 16:35*	*11/07/23 08:58*	*1*

Lab Sample ID: LCS 880-66317/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 66340 **Prep Batch: 66317**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	924.3		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1057		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*103*		*70 - 130*
o-Terphenyl (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-66317/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 66340 **Prep Batch: 66317**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	932.7		mg/Kg		93	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1011		mg/Kg		101	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*98*		*70 - 130*
o-Terphenyl (Surr)	*101*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66336/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 66451

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/07/23 19:57	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop LHE

Job ID: 880-35334-1
SDG: 22-0105-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-66336/2-A
Matrix: Solid
Analysis Batch: 66451

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	261.9		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-66336/3-A
Matrix: Solid
Analysis Batch: 66451

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	261.5		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-35334-1 MS
Matrix: Solid
Analysis Batch: 66451

Client Sample ID: BF-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	51.2		251	324.5		mg/Kg		109	90 - 110		

Lab Sample ID: 880-35334-1 MSD
Matrix: Solid
Analysis Batch: 66451

Client Sample ID: BF-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	51.2		251	323.7		mg/Kg		109	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop LHE

Job ID: 880-35334-1
SDG: 22-0105-07

GC VOA

Prep Batch: 66261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35334-1	BF-1	Total/NA	Solid	5035	
880-35334-2	BF-2	Total/NA	Solid	5035	
880-35334-3	BF-3	Total/NA	Solid	5035	
MB 880-66261/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66261/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66261/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 66350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35334-1	BF-1	Total/NA	Solid	8021B	66261
880-35334-2	BF-2	Total/NA	Solid	8021B	66261
880-35334-3	BF-3	Total/NA	Solid	8021B	66261
MB 880-66261/5-A	Method Blank	Total/NA	Solid	8021B	66261
LCS 880-66261/1-A	Lab Control Sample	Total/NA	Solid	8021B	66261
LCSD 880-66261/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66261

Analysis Batch: 66530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35334-1	BF-1	Total/NA	Solid	Total BTEX	
880-35334-2	BF-2	Total/NA	Solid	Total BTEX	
880-35334-3	BF-3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 66317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35334-1	BF-1	Total/NA	Solid	8015NM Prep	
880-35334-2	BF-2	Total/NA	Solid	8015NM Prep	
880-35334-3	BF-3	Total/NA	Solid	8015NM Prep	
MB 880-66317/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66317/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 66340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35334-1	BF-1	Total/NA	Solid	8015B NM	66317
880-35334-2	BF-2	Total/NA	Solid	8015B NM	66317
880-35334-3	BF-3	Total/NA	Solid	8015B NM	66317
MB 880-66317/1-A	Method Blank	Total/NA	Solid	8015B NM	66317
LCS 880-66317/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66317
LCSD 880-66317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66317

Analysis Batch: 66481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35334-1	BF-1	Total/NA	Solid	8015 NM	
880-35334-2	BF-2	Total/NA	Solid	8015 NM	
880-35334-3	BF-3	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop LHE

Job ID: 880-35334-1
SDG: 22-0105-07

HPLC/IC

Leach Batch: 66336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35334-1	BF-1	Soluble	Solid	DI Leach	
880-35334-2	BF-2	Soluble	Solid	DI Leach	
880-35334-3	BF-3	Soluble	Solid	DI Leach	
MB 880-66336/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66336/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66336/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35334-1 MS	BF-1	Soluble	Solid	DI Leach	
880-35334-1 MSD	BF-1	Soluble	Solid	DI Leach	

Analysis Batch: 66451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35334-1	BF-1	Soluble	Solid	300.0	66336
880-35334-2	BF-2	Soluble	Solid	300.0	66336
880-35334-3	BF-3	Soluble	Solid	300.0	66336
MB 880-66336/1-A	Method Blank	Soluble	Solid	300.0	66336
LCS 880-66336/2-A	Lab Control Sample	Soluble	Solid	300.0	66336
LCSD 880-66336/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66336
880-35334-1 MS	BF-1	Soluble	Solid	300.0	66336
880-35334-1 MSD	BF-1	Soluble	Solid	300.0	66336

Lab Chronicle

Client: Larson & Associates, Inc.
Job ID: 880-35334-1
Project/Site: Salado Draw Water Loop LHE
SDG: 22-0105-07

Client Sample ID: BF-1
Lab Sample ID: 880-35334-1
Date Collected: 11/01/23 15:00
Matrix: Solid
Date Received: 11/06/23 11:22

Prep 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	66261	11/06/23 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66350	11/07/23 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66530	11/07/23 17:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			66481	11/07/23 15:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	66317	11/06/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 15:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66336	11/06/23 20:17	CH	EET MID
Soluble	Analysis	300.0		1			66451	11/07/23 20:12	CH	EET MID

Client Sample ID: BF-2
Lab Sample ID: 880-35334-2
Date Collected: 11/01/23 15:15
Matrix: Solid
Date Received: 11/06/23 11:22

Prep 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	66261	11/06/23 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66350	11/07/23 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66530	11/07/23 18:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			66481	11/07/23 16:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	66317	11/06/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 16:02	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66336	11/06/23 20:17	CH	EET MID
Soluble	Analysis	300.0		1			66451	11/07/23 20:28	CH	EET MID

Client Sample ID: BF-3
Lab Sample ID: 880-35334-3
Date Collected: 11/01/23 15:20
Matrix: Solid
Date Received: 11/06/23 11:22

Prep 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	66261	11/06/23 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66350	11/07/23 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66530	11/07/23 18:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			66481	11/07/23 16:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	66317	11/06/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 16:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	66336	11/06/23 20:17	CH	EET MID
Soluble	Analysis	300.0		1			66451	11/07/23 20:33	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-35334-1
Project/Site: Salado Draw Water Loop LHE SDG: 22-0105-07

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Water Loop LHE

Job ID: 880-35334-1
SDG: 22-0105-07

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: Salado Draw Water Loop LHE

Job ID: 880-35334-1
SDG: 22-0105-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-35334-1	BF-1	Solid	11/01/23 15:00	11/06/23 11:22
880-35334-2	BF-2	Solid	11/01/23 15:15	11/06/23 11:22
880-35334-3	BF-3	Solid	11/01/23 15:20	11/06/23 11:22

Page 431 of 466

353334

No. 3203

CHAIN-OF-CUSTODY

11/8/2023

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

DATE _____ PAGE 1 OF 1

PO# _____ LAB WORK ORDER#. _____

PROJECT LOCATION OR NAME: SALADO DRAW WATER LOOP LINE

LAI PROJECT # 22-0105-07 COLLECTOR STAN BATTS

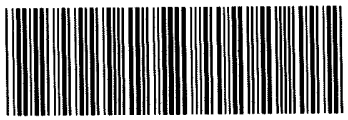
☐ Data Reported to ROBERT NELSON / MARK LARSON

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State
MDT / NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☒ MTBE ☐	TPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D W 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	HEXAVALENT CHROMIUM ☐	CYANIDE ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
BF-1		11/1/23	3:00	S	1				X		X				X	X	X																								X			
BF-2		11/1/23	3:15	S	1				X		X				X	X	X																								X			
BF-3		11/1/23	3:20	S	1				X		X				X	X	X																								X			



TOTAL 3

RELINQUISHED BY (Signature)	DATE/TIME 11/6/23 1122a	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

TURN AROUND TIME
NORMAL ☐
1 DAY ☐
2 DAY ☐
OTHER ☑
3 days

LABORATORY USE ONLY:
RECEIVING TEMP 2.3/2.5 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☑ HAND DELIVERED

Page 19 of 20

Received by OCD: 11/7/2024 11:03:04 AM

Released to Imaging: 1/24/2025 3:21:57 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-35334-1
SDG Number: 22-0105-07

Login Number: 35334
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/20/2023 5:10:49 PM

JOB DESCRIPTION

Salado Water Line Loop
22-0105-07

JOB NUMBER

880-35972-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Holly Taylor

Generated
11/20/2023 5:10:49 PM

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

Client: Larson & Associates, Inc.
Project/Site: Salado Water Line Loop

Laboratory Job ID: 880-35972-1
SDG: 22-0105-07

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 11
Lab Chronicle 13
Certification Summary 14
Method Summary 15
Sample Summary 16
Chain of Custody 17
Receipt Checklists 18

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-35972-1
Project/Site: Salado Water Line Loop SDG: 22-0105-07

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance 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
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-35972-1
Project/Site: Salado Water Line Loop SDG: 22-0105-07

Job ID: 880-35972-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-35972-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 11/17/2023 4:17 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: C-18 0-4.1' (880-35972-1).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67371 and analytical batch 880-67369 was outside the upper control limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-67371 and analytical batch 880-67369 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

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

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Water Line Loop

Job ID: 880-35972-1
SDG: 22-0105-07

Client Sample ID: C-18 0-4.1'
Date Collected: 11/13/23 14:35
Date Received: 11/17/23 16:17

Lab Sample ID: 880-35972-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 08:49	11/20/23 12:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 08:49	11/20/23 12:23	1
Ethylbenzene	<0.00201	U *-	0.00201		mg/Kg		11/20/23 08:49	11/20/23 12:23	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/20/23 08:49	11/20/23 12:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 08:49	11/20/23 12:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 08:49	11/20/23 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/20/23 08:49*	*11/20/23 12:23*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*11/20/23 08:49*	*11/20/23 12:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/20/23 12:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/23 11:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 10:01	11/20/23 11:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 10:01	11/20/23 11:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 10:01	11/20/23 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*11/20/23 10:01*	*11/20/23 11:23*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*11/20/23 10:01*	*11/20/23 11:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.9**		4.97		mg/Kg			11/19/23 17:57	1

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-35972-1
Project/Site: Salado Water Line Loop SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-35972-1	C-18 0-4.1'	99	120
LCS 880-67371/1-A	Lab Control Sample	72	115
LCSD 880-67371/2-A	Lab Control Sample Dup	93	106
MB 880-67371/5-A	Method Blank	114	144 S1+

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-35972-1	C-18 0-4.1'	107	107
880-35972-1 MS	C-18 0-4.1'	104	98
880-35972-1 MSD	C-18 0-4.1'	98	91
LCS 880-67376/2-A	Lab Control Sample	96	110
LCSD 880-67376/3-A	Lab Control Sample Dup	108	121
MB 880-67376/1-A	Method Blank	113	125

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Water Line Loop

Job ID: 880-35972-1
SDG: 22-0105-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-67371/5-A
Matrix: Solid
Analysis Batch: 67369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67371

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 08:49	11/20/23 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/20/23 08:49*	*11/20/23 11:34*	*1*
1,4-Difluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*11/20/23 08:49*	*11/20/23 11:34*	*1*

Lab Sample ID: LCS 880-67371/1-A
Matrix: Solid
Analysis Batch: 67369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67371

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08540		mg/Kg		85	70 - 130		
Toluene			0.100	0.07596		mg/Kg		76	70 - 130		
Ethylbenzene			0.100	0.06082	*-	mg/Kg		61	70 - 130		
m,p-Xylenes			0.200	0.1432		mg/Kg		72	70 - 130		
o-Xylene			0.100	0.07091		mg/Kg		71	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-67371/2-A
Matrix: Solid
Analysis Batch: 67369

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67371

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1068		mg/Kg		107	70 - 130	22	35
Toluene			0.100	0.08512		mg/Kg		85	70 - 130	11	35
Ethylbenzene			0.100	0.07630		mg/Kg		76	70 - 130	23	35
m,p-Xylenes			0.200	0.1916		mg/Kg		96	70 - 130	29	35
o-Xylene			0.100	0.09480		mg/Kg		95	70 - 130	29	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Water Line Loop

Job ID: 880-35972-1
SDG: 22-0105-07

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

Lab Sample ID: MB 880-67376/1-A
Matrix: Solid
Analysis Batch: 67360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67376

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 10:01	11/20/23 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 10:01	11/20/23 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 10:01	11/20/23 08:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*11/20/23 10:01*	*11/20/23 08:50*	*1*
o-Terphenyl (Surr)	*125*		*70 - 130*	*11/20/23 10:01*	*11/20/23 08:50*	*1*

Lab Sample ID: LCS 880-67376/2-A
Matrix: Solid
Analysis Batch: 67360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67376

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	998.2		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	901.0		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*96*		*70 - 130*
o-Terphenyl (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-67376/3-A
Matrix: Solid
Analysis Batch: 67360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67376

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1221		mg/Kg		122	70 - 130	20	20
Diesel Range Organics (Over C10-C28)			1000	1096		mg/Kg		110	70 - 130	20	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*108*		*70 - 130*
o-Terphenyl (Surr)	*121*		*70 - 130*

Lab Sample ID: 880-35972-1 MS
Matrix: Solid
Analysis Batch: 67360

Client Sample ID: C-18 0-4.1'
Prep Type: Total/NA
Prep Batch: 67376

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	1010	1106		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1010	883.7		mg/Kg		84	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-35972-1
Project/Site: Salado Water Line Loop SDG: 22-0105-07

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

Lab Sample ID: 880-35972-1 MS **Client Sample ID: C-18 0-4.1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 67360 **Prep Batch: 67376**

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	98		70 - 130

Lab Sample ID: 880-35972-1 MSD **Client Sample ID: C-18 0-4.1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 67360 **Prep Batch: 67376**

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	1010	1056		mg/Kg		103	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1010	826.8		mg/Kg		79	70 - 130	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	91		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67322/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 67430

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/19/23 16:27	1

Lab Sample ID: LCS 880-67322/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 67430

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	230.1		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-67322/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 67430

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	233.7		mg/Kg		93	90 - 110	2	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Water Line Loop

Job ID: 880-35972-1
SDG: 22-0105-07

GC VOA

Analysis Batch: 67369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35972-1	C-18 0-4.1'	Total/NA	Solid	8021B	67371
MB 880-67371/5-A	Method Blank	Total/NA	Solid	8021B	67371
LCS 880-67371/1-A	Lab Control Sample	Total/NA	Solid	8021B	67371
LCSD 880-67371/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67371

Prep Batch: 67371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35972-1	C-18 0-4.1'	Total/NA	Solid	5035	
MB 880-67371/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67371/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67371/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 67525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35972-1	C-18 0-4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 67360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35972-1	C-18 0-4.1'	Total/NA	Solid	8015B NM	67376
MB 880-67376/1-A	Method Blank	Total/NA	Solid	8015B NM	67376
LCS 880-67376/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67376
LCSD 880-67376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67376
880-35972-1 MS	C-18 0-4.1'	Total/NA	Solid	8015B NM	67376
880-35972-1 MSD	C-18 0-4.1'	Total/NA	Solid	8015B NM	67376

Prep Batch: 67376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35972-1	C-18 0-4.1'	Total/NA	Solid	8015NM Prep	
MB 880-67376/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67376/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-35972-1 MS	C-18 0-4.1'	Total/NA	Solid	8015NM Prep	
880-35972-1 MSD	C-18 0-4.1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 67496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35972-1	C-18 0-4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 67322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35972-1	C-18 0-4.1'	Soluble	Solid	DI Leach	
MB 880-67322/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67322/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67322/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 67430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35972-1	C-18 0-4.1'	Soluble	Solid	300.0	67322

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Water Line Loop

Job ID: 880-35972-1
SDG: 22-0105-07

HPLC/IC (Continued)

Analysis Batch: 67430 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67322/1-A	Method Blank	Soluble	Solid	300.0	67322
LCS 880-67322/2-A	Lab Control Sample	Soluble	Solid	300.0	67322
LCSD 880-67322/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67322

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Water Line Loop

Job ID: 880-35972-1
SDG: 22-0105-07

Client Sample ID: C-18 0-4.1'
Date Collected: 11/13/23 14:35
Date Received: 11/17/23 16:17

Lab Sample ID: 880-35972-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 12:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67525	11/20/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			67496	11/20/23 11:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67376	11/20/23 10:01	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67360	11/20/23 11:23	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67322	11/17/23 16:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67430	11/19/23 17:57	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: Salado Water Line Loop

Job ID: 880-35972-1
SDG: 22-0105-07

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Water Line Loop

Job ID: 880-35972-1
SDG: 22-0105-07

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: Salado Water Line Loop

Job ID: 880-35972-1
SDG: 22-0105-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-35972-1	C-18 0-4.1'	Solid	11/13/23 14:35	11/17/23 16:17

Page 449 of 466

35972 No. 3207

CHAIN-OF-CUSTODY

11/20/2023

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

DATE 11/17/2023 PAGE 1 OF 1

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME SALADO WATER LINE LOOP

LAI PROJECT # 22-0105 -07 COLLECTOR STAN BATES

Data Reported to ROBER NELSON / MALE LARSON

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State MNT

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

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

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
~~SS01~~ C-180-4'		11/13/23	2:35	S	1			X		X		X	X	X														X			
TOTAL																															

880-35972 Chain of Custody

-1.2 | 0.0

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	11/17/23 1617	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
LABORATORY		

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

LABORATORY USE ONLY:
RECEIVING TEMP 0.8 | 0.6 THERM# _____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Page 17 of 18

Received by OCD: 11/7/2024 11:03:04 AM

Released to Imaging: 1/24/2025 3:21:57 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-35972-1
SDG Number: 22-0105-07

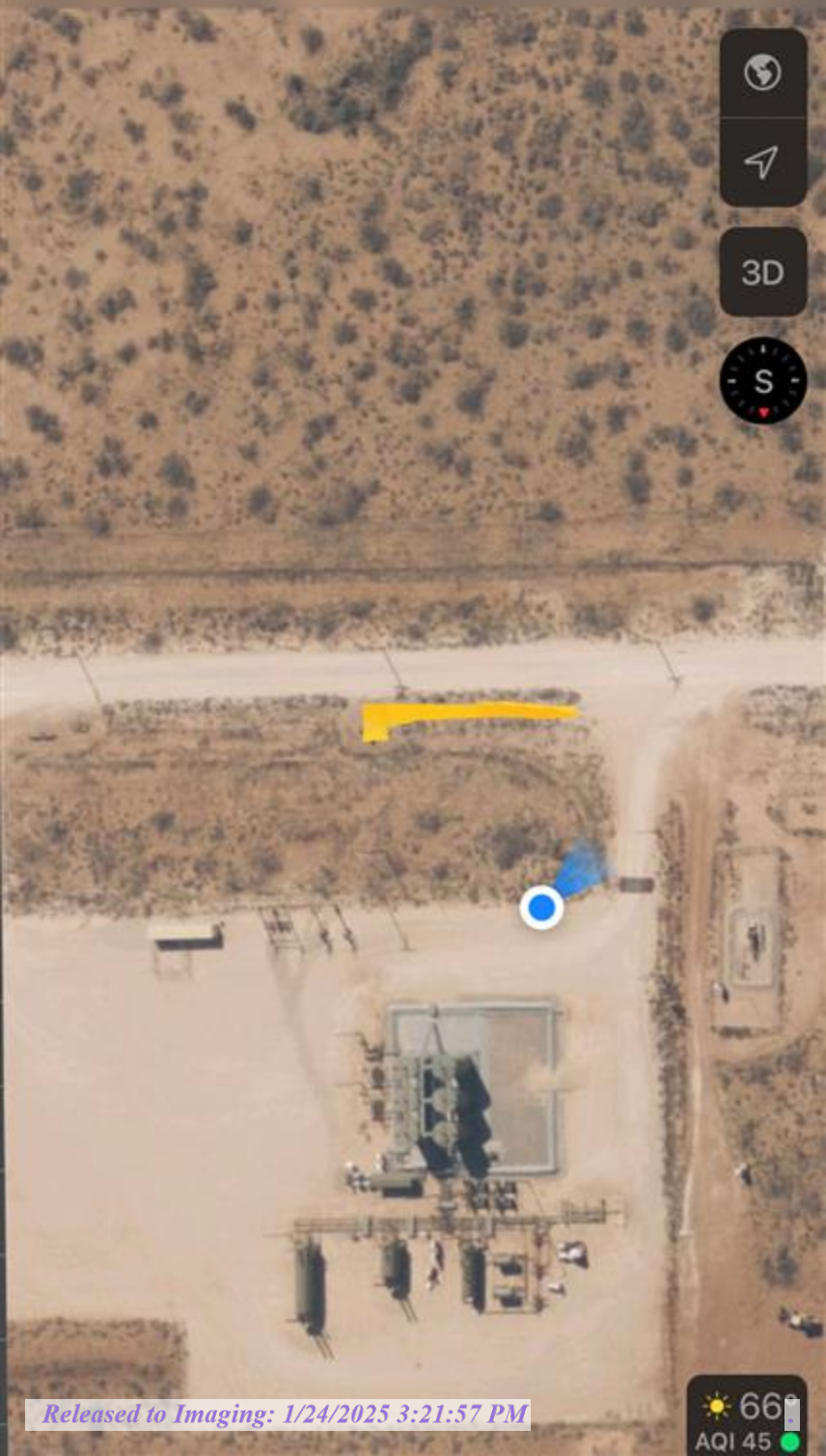
Login Number: 35972
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Appendix F

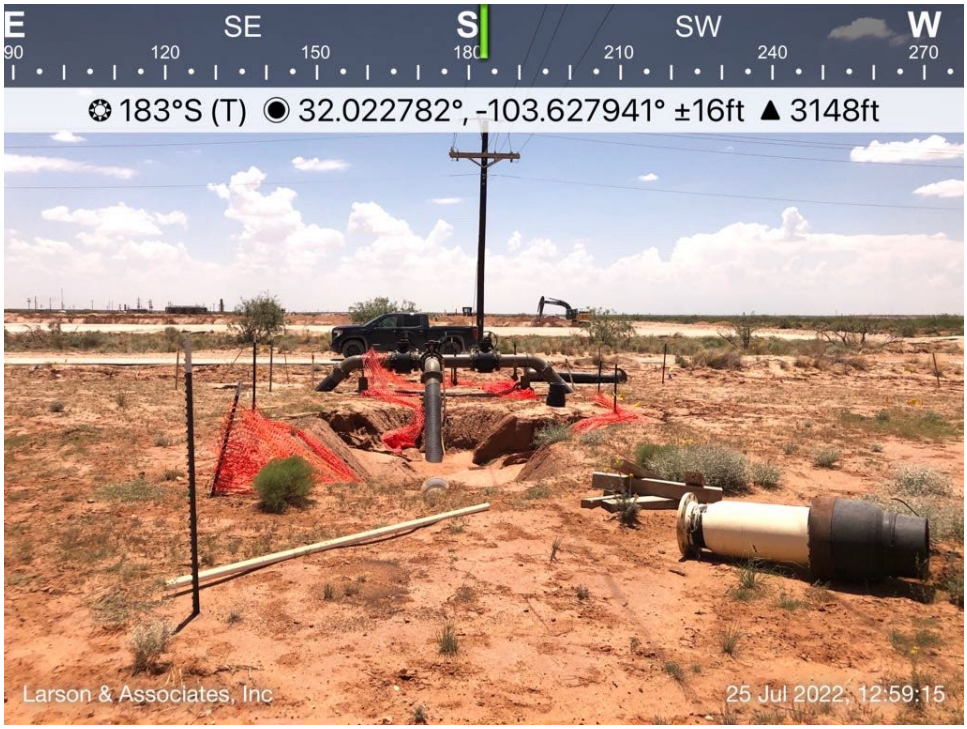
Photographic Documentation


3D
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AQI 45

Tracking Number: nAPP2209746512
Closure Report
Chevron USA, Inc., Salado Draw Water Loop Line
Produced Water Release
January 11, 2024



Impacted area viewing east



Release source and impacted area viewing south

Tracking Number: nAPP2209746512
Closure Report
Chevron USA, Inc., Salado Draw Water Loop Line
Produced Water Release
January 11, 2024



Impacted area viewing east



Impacted area viewing west



Excavated area including viewing east, November 27, 2023



Excavated area viewing east, November 27, 2023

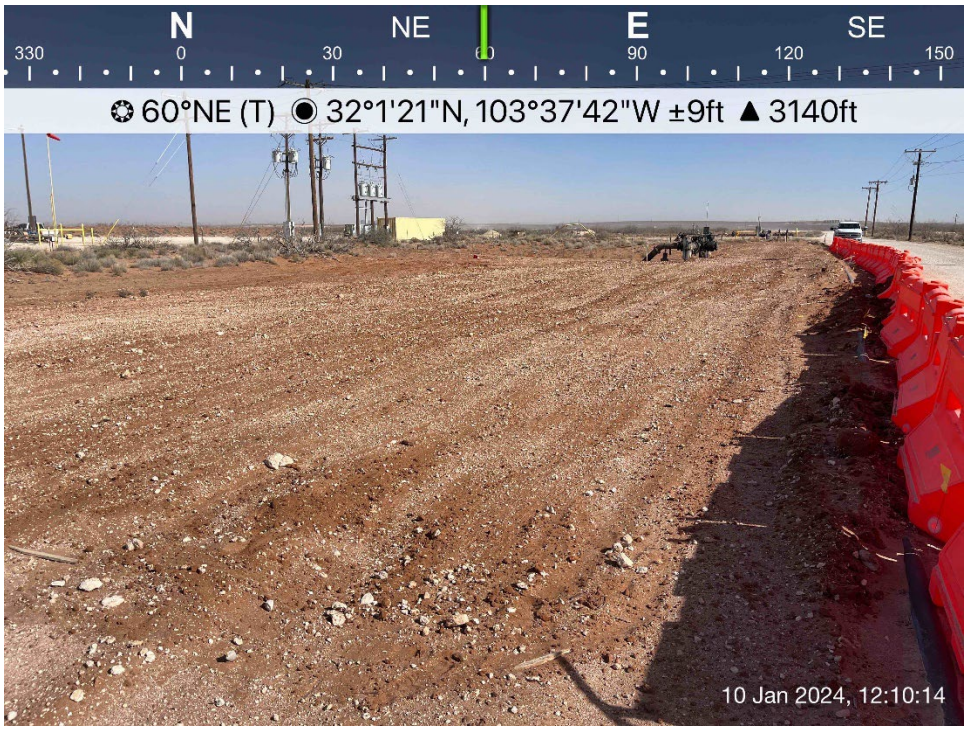


Excavated area including additional excavation encompassing C-18 viewing north, November 27, 2023



Excavated area viewing west, November 27, 2023

Tracking Number: nAPP2209746512
Closure Report
Chevron USA, Inc., Salado Draw Water Loop Line
Produced Water Release
January 11, 2024



Backfilled and seeded excavation area viewing northeast, January 10, 2024



Backfilled and seeded excavation area viewing southeast, January 10, 2024

Tracking Number: nAPP2209746512
Closure Report
Chevron USA, Inc., Salado Draw Water Loop Line
Produced Water Release
January 11, 2024



Backfilled and seeded excavation area viewing west, January 10, 2024

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 400351

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400351
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2209746512**
Incident Name	**NAPP2209746512 SALADO 24 CTB WATER LOOP LINE @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SALADO 24 CTB WATER LOOP LINE
Date Release Discovered	03/29/2022
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
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	
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.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Corrosion | Pipeline (Any) | Produced Water | Released: 65 BBL | Recovered: 0 BBL | Lost: 65 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

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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 (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400351
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 11/07/2024

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 (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400351
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
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.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (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	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
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.	
Requesting a remediation plan approval with this submission	Yes
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.	
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)	2250
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
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.	
On what estimated date will the remediation commence	10/15/2024
On what date will (or did) the final sampling or liner inspection occur	10/21/2024
On what date will (or was) the remediation complete(d)	10/25/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	320
What is the estimated volume (in cubic yards) that will be remediated	112
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.	
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.	

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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 (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400351
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(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	MILESTONE WASTE TREATMENT AND INJECTION FACILITY [fDHR1918357813]
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.*
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 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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 11/07/2024
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.	

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
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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 (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**391632**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**10/15/2024**
What was the (estimated) number of samples that were to be gathered	**15**
What was the sampling surface area in square feet	**727**

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	320
What was the total volume (cubic yards) remediated	112
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	"Area was hydro-excavated and remediated based off of area that was previously deferred. Once composite confirmation sidewall and floor samples were recieved, the area was backfill with topsoil sourced locally. Site will be reclaimed and reseeded when the pipeline ROW is no longer in use for oil and gas activities."

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

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

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 11/07/2024

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QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	1/24/2025