CARMONA RESOURCES

SITE INFORMATION

Closure Report
Hayhurst Pad 10 (04.12.2022)
Incident # NAPP2211730678
Eddy County, New Mexico
Unit O Sec 26 T25S R27E
32.094581°, -104.154458°

Produced Water Release
Point of Release: Lay Flat Line Connection Failed
Release Date: 04.12.2022
Volume Released: 566 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES

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

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

CARMONA RESOURCES

June 4, 2025

Mr. Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report
Hayhurst Pad 10 (04.12.2022)
Chevron U.S.A., Inc.
Incident # NAPP2211730678
Site Location: Unit O Sec 26 T25S R27E
(Lat 32.094581°, Long -104.154458º)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Chevron U.S.A., Inc. (Chevron), Carmona Resources, LLC (Carmona Resources) has prepared this letter to document remediation activities for the Hayhurst Pad 10 (04.12.2022). The site is located at 32.094581°, -104.154458° within Unit O, S26, T25S, R27E in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 12, 2022, due to a Chevron third-party contractor's lay-flat line failing at a connection. It resulted in the release of approximately five hundred sixty-six (566) barrels of produced water along the right-of-way (ROW), with zero (0) barrels of produced water recovered. The spill boundary is shown in Figure 3. The Notification of Release and Initial C-141 is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one water source within a 0.50-mile radius of the location. The well is approximately 0.26 miles West of the site in S26, T25S, R27E, and was drilled in 2019. The well has a reported depth to groundwater of 69 feet below the ground surface (ft bgs). A copy of the associated point of diversion 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 the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

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

4.0 Previous Remediation Activities

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

On November 8, 2024 a deferral report was submitted and denied by the NMOCD. The following statement from the NMOCD explains why the deferral report was denied.

"All previous COAs regarding sampling are rejected due to inconsistency and any additional sampling for both walls and base will be at 400ft2. Deferral Request is denied. Delineation of the release is incomplete, and the report is not inclusive of the previous work performed or photographs of the excavation. There are visible pits in the ground within the report and the release area is in a high karst area. Are these visible pits karst features and if so, how do you plan to move forward with the remediation? Per 19.15.29.12.C.(3) NMAC, the responsible party must remediate the impacted surface area of a release not occurring on a lined, bermed or otherwise contained exploration, development, production, or storage site to meet the standards of Table I of 19.15.29.12 NMAC or other applicable remediation standards and restore and reclaim the area pursuant to 19.15.29.13 NMAC. Deferral requests for these areas will not be approved."

Following the denial of this deferral report, Carmona Resources, LLC was contracted to work this spill incident toward closure. Communication between Carmona Resources, LLC and the NMOCD began to get a better understanding of the conditions of denial. See appendix C for NMOCD email communications.

1. *All previous COAs regarding sampling are rejected due to inconsistency and any additional sampling for both walls and base will be at 400 ft2* – All additional remediation for this site will require five-point composite confirmation floor & sidewall samples that represent no more than 400ft2.
2. *Delineation of the release is incomplete, and the report is not inclusive of the previous work performed or photographs of the excavation.* – Further delineation of the deferred sample points needed to take place in order to determine what dimensions of areas that were going to be deferred. Since this is a Chevron third party contractors release, contaminated soil remaining onsite in the areas of the pipeline right-of-way (ROW) is going to be removed so that Chevron isn't financially responsible in the future for cleaning a spill up that was outside of Chevrons operational control. See section 5.0 for results of the secondary site assessment conducted onsite.
3. *There are visible pits in the ground within the report and the release area is in a high karst area. Are these visible pits karst features and if so, how do you plan to move forward with the remediation?* – Communication with the BLM (landowner) determined that there are no karst features in the area and that the "pits" that were found in the deferral report were determined to be hydrovac "windows" to spot the buried lines that are located throughout this release area. See Appendix D for BLM Karst communication.

5.0 Additional Site Assessment Activities

Denied Deferral Report Review

On Monday, February 10, 2025, Carmona Resources LLC met with the NMOCD and Chevron to discuss and document additional site assessment activities. Previous areas attempted to be deferred were discussed, and the need to horizontally delineate each area was determined to be the best pathway forward to gain a better understanding of how much contamination was left onsite. The following areas were proposed to be further delineated as safely as possible. See NMOCD Site Assessment approval in Appendix C.

- S-9 as it exceeded chloride thresholds of 600 mg/kg (3,290 mg/kg)
- S-10 through S-12 as they all exceeded chloride thresholds of 600 mg/kg (697, 3,230, 2,140, & 3,180 mg/kg)
- S-13 as it exceeded chloride thresholds of 600 mg/kg (3,180 mg/kg)
- S-15 as it exceeded chloride thresholds of 600 mg/kg (2,390 mg/kg)
- S-17 through S-20 as they all exceeded chloride thresholds of 600 mg/kg (2,580, 4,370, 1,880, 1,480 mg/kg)

- EX 1 CS EW 2 as it exceeded chloride thresholds of 600 mg/kg (1,360 mg/kg)
- S-21 as it exceeded chloride thresholds of 600 mg/kg (2,190 mg/kg)
- S-24 as it exceeded chloride thresholds of 600 mg/kg (2,680 mg/kg)

Additional Site Assessment

Between February 24, 2025 and February 28, 2025, Carmona Resources, LLC performed site assessment activities to further evaluate soil impacts stemming from the release. Originally deferred sample point, S-9, was resampled and horizontally delineated by S-25 through S-28. Originally deferred sample points, S-10, S-11, & S-12, were resampled and horizontally delineated by S-29 through S-32. Originally deferred sample point S-13 was resampled and horizontally delineated by S-33 through S-36. Originally deferred sample point S-15 was resampled and horizontally delineated by S-37 through S-39. Originally deferred sample points, S-17, S-18, S-19, & S-20, were resampled and horizontally delineated by S-40 through S-52, with the exception of S-42, which is addressed in section 6.0 below. Originally deferred sample point, EX 1 CS EW 2 & S-21, was resampled and horizontally delineated by S-53 through S-57. Originally deferred sample point S-24 was resampled and horizontally delineated by S-58 through S-60, with the exception of S-60, which is addressed in section 6.0 below. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

A remediation work plan was submitted to the NMOCD and on April 17, 2025, it was approved. See appendix C for NMOCD approval. A copy of the approved remediation work plan can be found on the NMOCD web portal under application/submission ID: 452547.

6.0 Remediation Activities

Between April 30, 2025, and May 27, 2025, Carmona Resources personnel were onsite to guide 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 May 1, 2025 and May 13, 2025 per Subsection D of 19.15.29.12 NMAC. See Appendix C. The following areas were excavated to depths ranging from 5.0 ft. to 5.25 ft. bgs. A total of seventeen (17) confirmation floor samples were collected (CS-1 through CS-17), and forty-four (44) sidewall samples (SW-1 through SW-44) were collected every 400 square feet (per previously approved work plan sampling variance) to ensure the proper removal of the contaminated soils.

- The areas of S-24 and S-60 were excavated to a depth of 5.0’ and are represented by CS-1 and SW-1 through SW-4. (See figure 4A)
- The area of S-9 was excavated to a depth of 5.25’ and is represented by CS-2 and SW-5 through SW-8. (See figure 4B)
- The area of S-13 was excavated to a depth of 5.0’ and is represented by CS-3 and SW-9 through SW-12. (See figure 4C)
- The area of S-15 was excavated to a depth of 5.0’ and is represented by CS-4 and SW-13 through SW-16. (See figure 4D)
- The areas of S-10 through S-12 were excavated to a depth of 5.0’ and is represented by CS-7 through CS-9, and SW-25 through SW-29. (See figure 4C)
- The area of CS 22 EW was excavated to a depth of 5.0’ and is represented by CS-5 and SW-17 through SW-20. (See figure 4E)
- The areas of S-17 through S-20, and S-42 were excavated to a depth of 5.0’ and is represented by CS-6, and CS-13 through CS-17, and SW-21 through SW-24, and SW-35 through SW-44. (See figure 4F)

- The areas of S-21, S-57, and EX 1 CS EW 2 were excavated to a depth of 5.0’ and are represented by CS-10 through CS-12, and SW-30 through SW-34. (See figure 4G)

For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas, and Cardinal Laboratories in Hobbs, New Mexico. 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 and 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4A-4G.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 2.

Before the excavation was backfilled, a composite sample of the backfill material was collected on May 8, 2025 to ensure the material was clean per NMOCD standards. The backfill material was sourced from the Fred Beard Pit, located at 32.161928°, -104.316363°. Refer to Table 2. Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 2,293 square feet, resulting in 853 cubic yards of material, were excavated and transported offsite for proper disposal.

7.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. Chevron formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

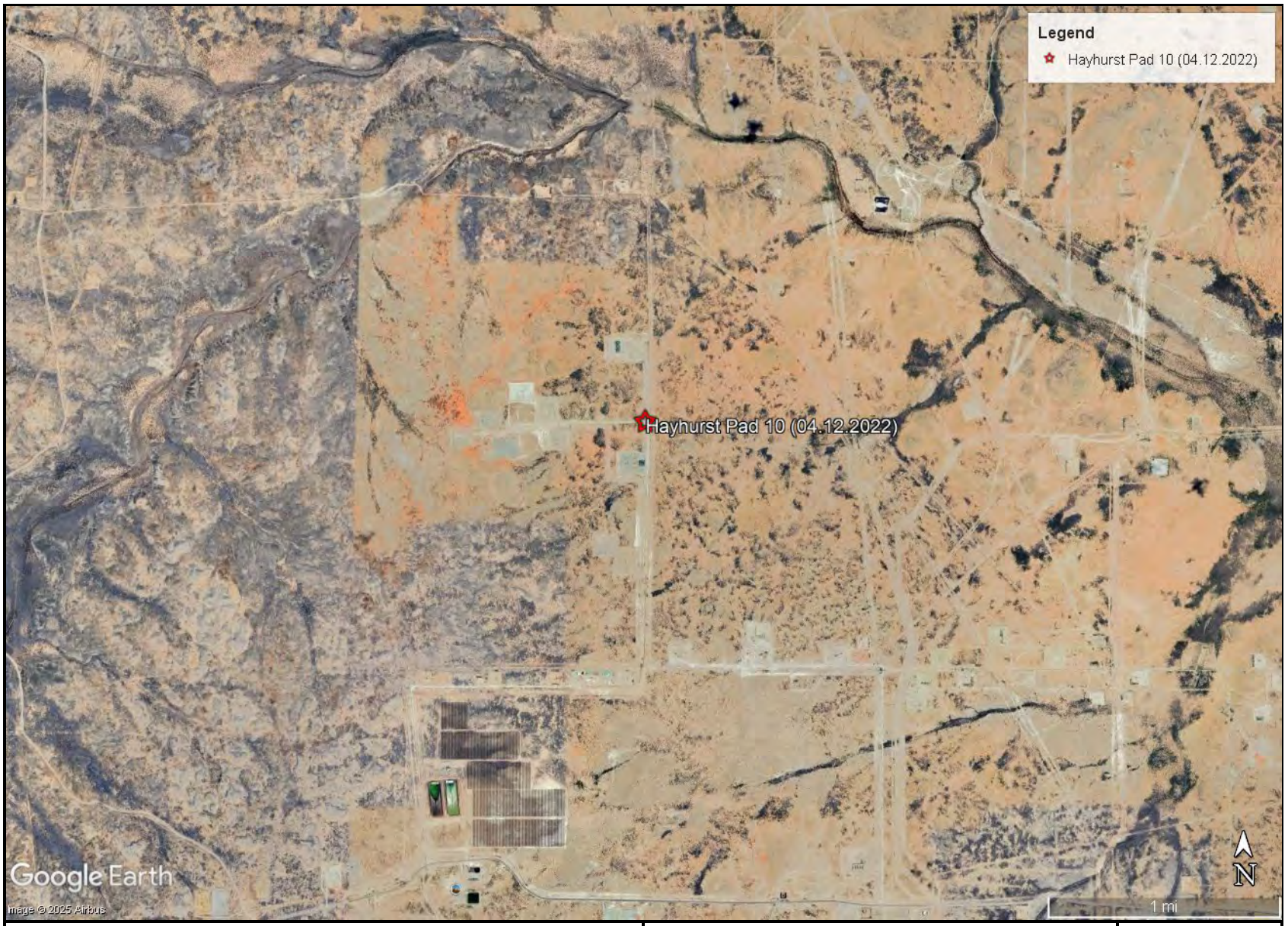
Sincerely,
Carmona Resources, LLC

Ashton Thielke
Environmental Manager

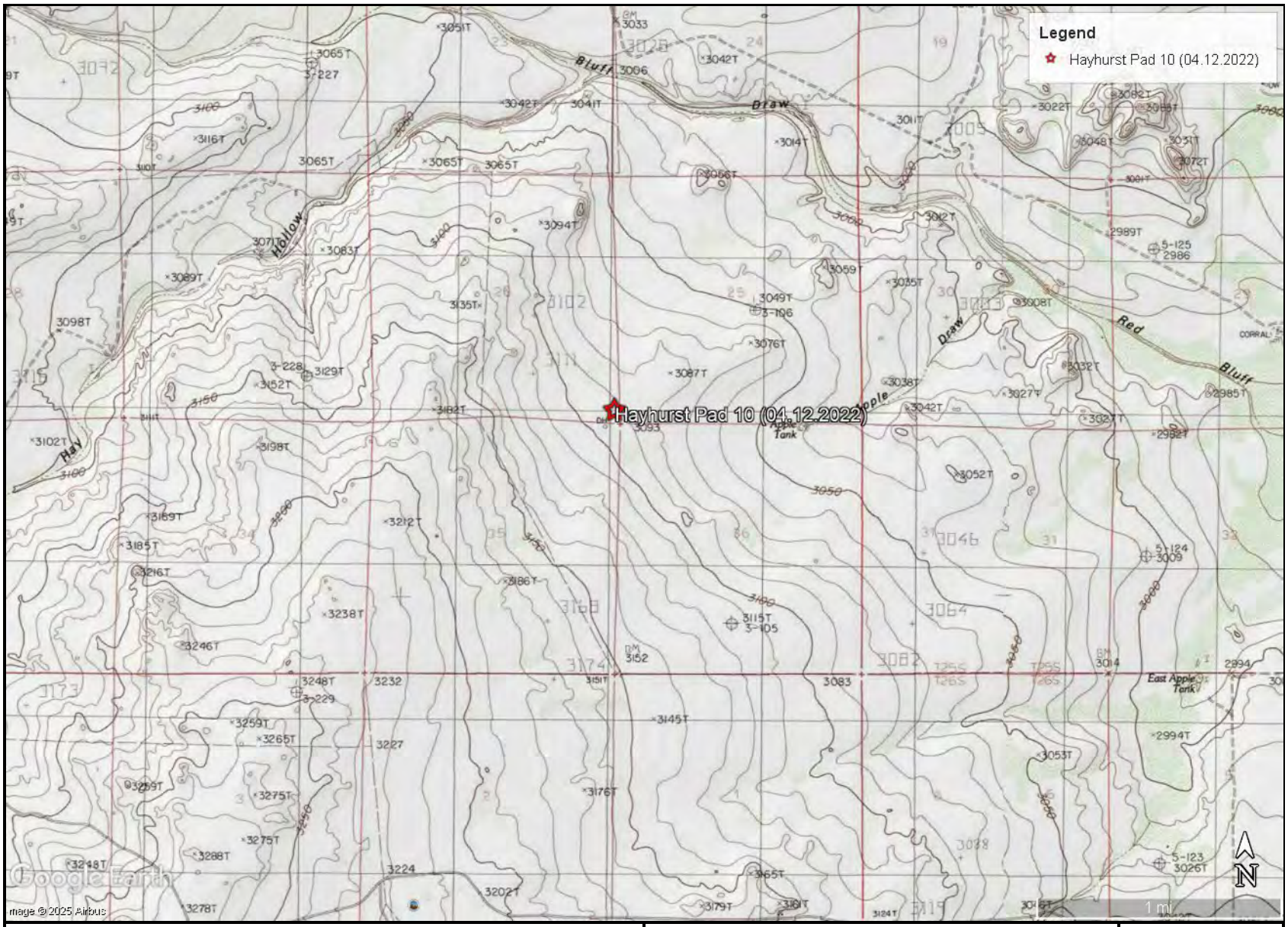
Gilbert Priego
Project Manager

FIGURES

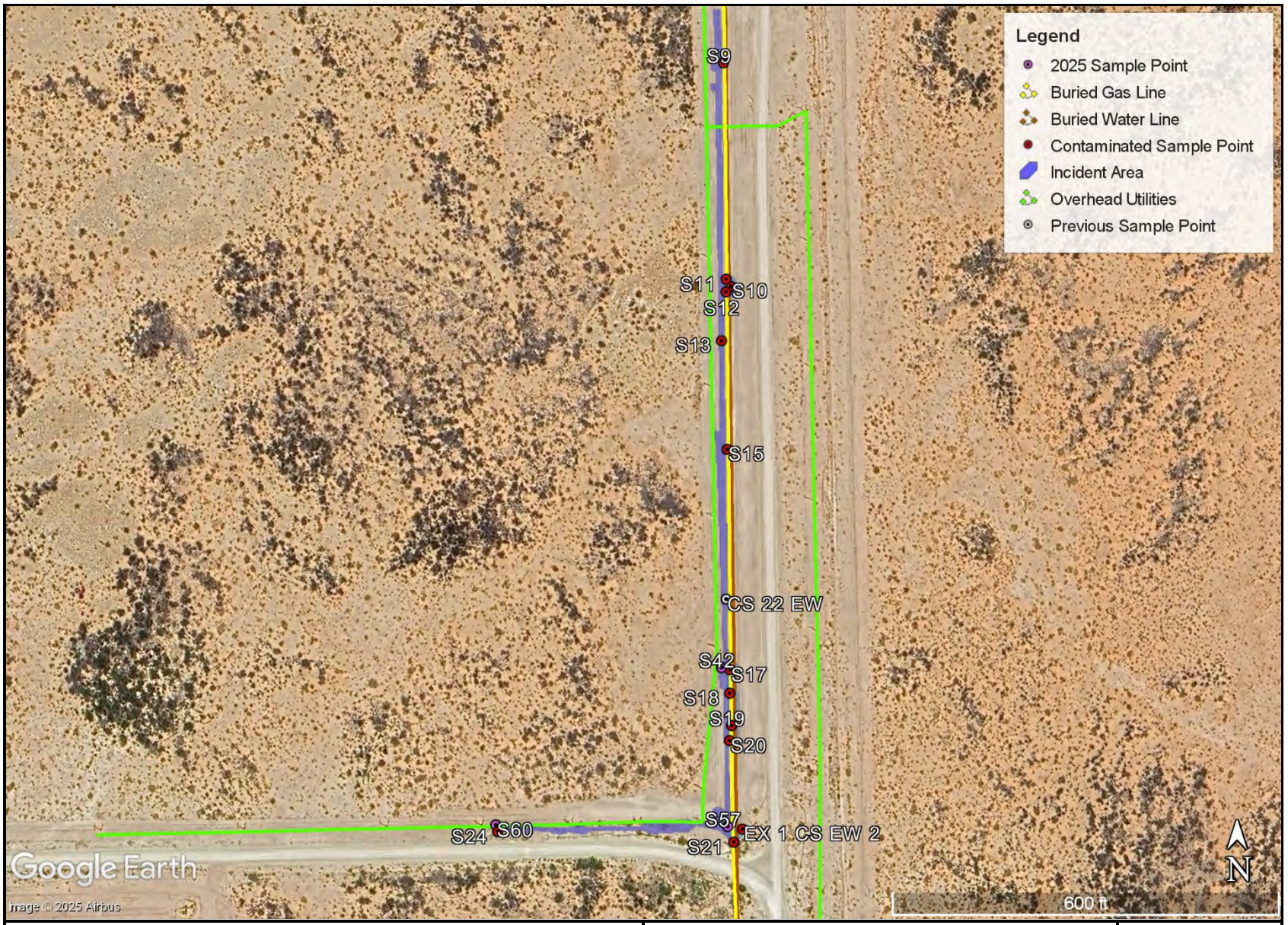
CARMONA RESOURCES



OVERVIEW MAP CHEVRON U.S.A., INC. HAYHYRST PAD 10 (04.12.2022) EDDY COUNTY, NEW MEXICO 32.097994°, -104.152404°	CARMONA RESOURCES	FIGURE 1

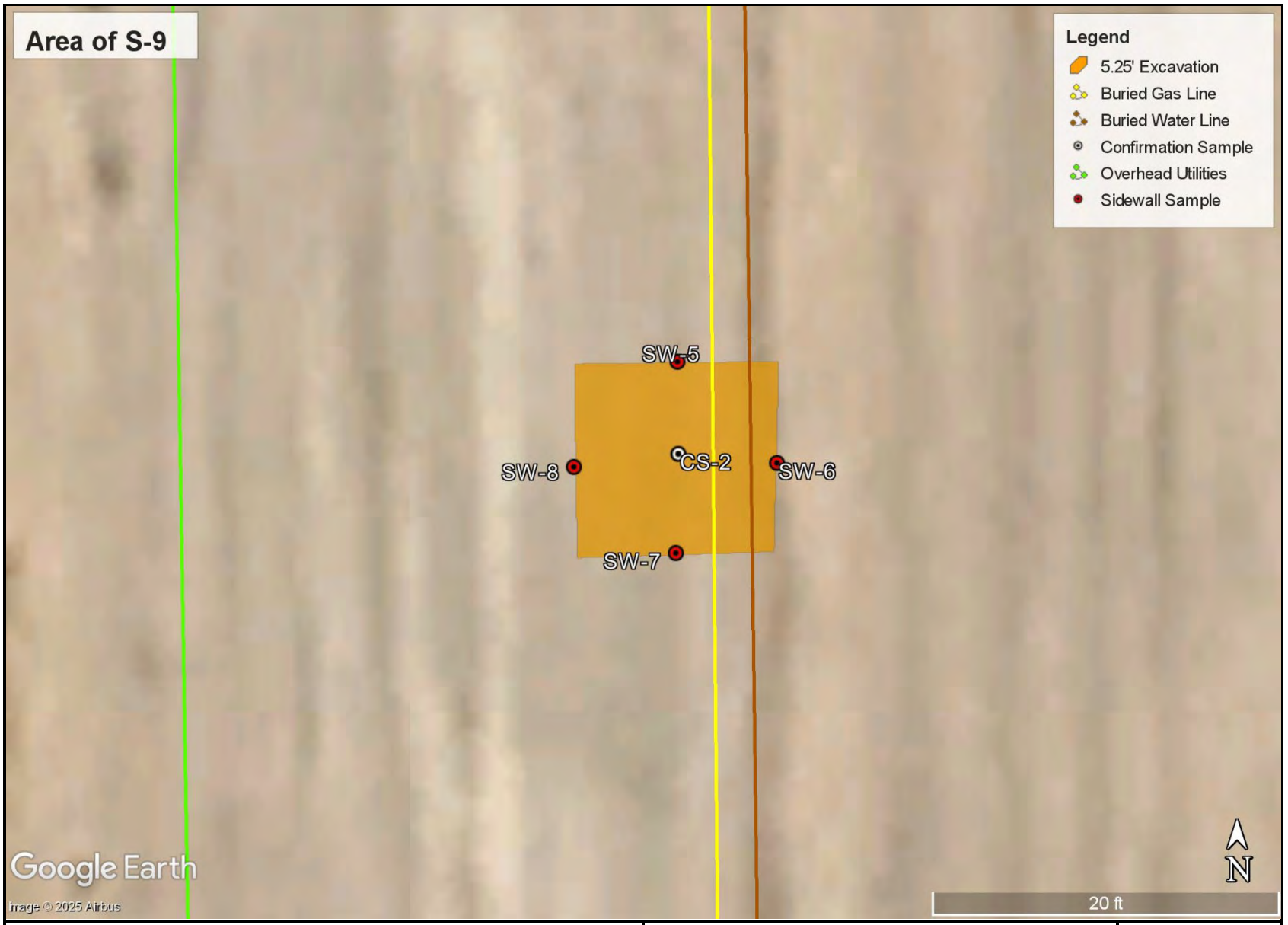


TOPOGRAPHIC MAP CHEVRON U.S.A., INC. HAYHYRST PAD 10 (04.12.2022) EDDY COUNTY, NEW MEXICO 32.097994°, -104.152404°	CARMONA RESOURCES	FIGURE 2

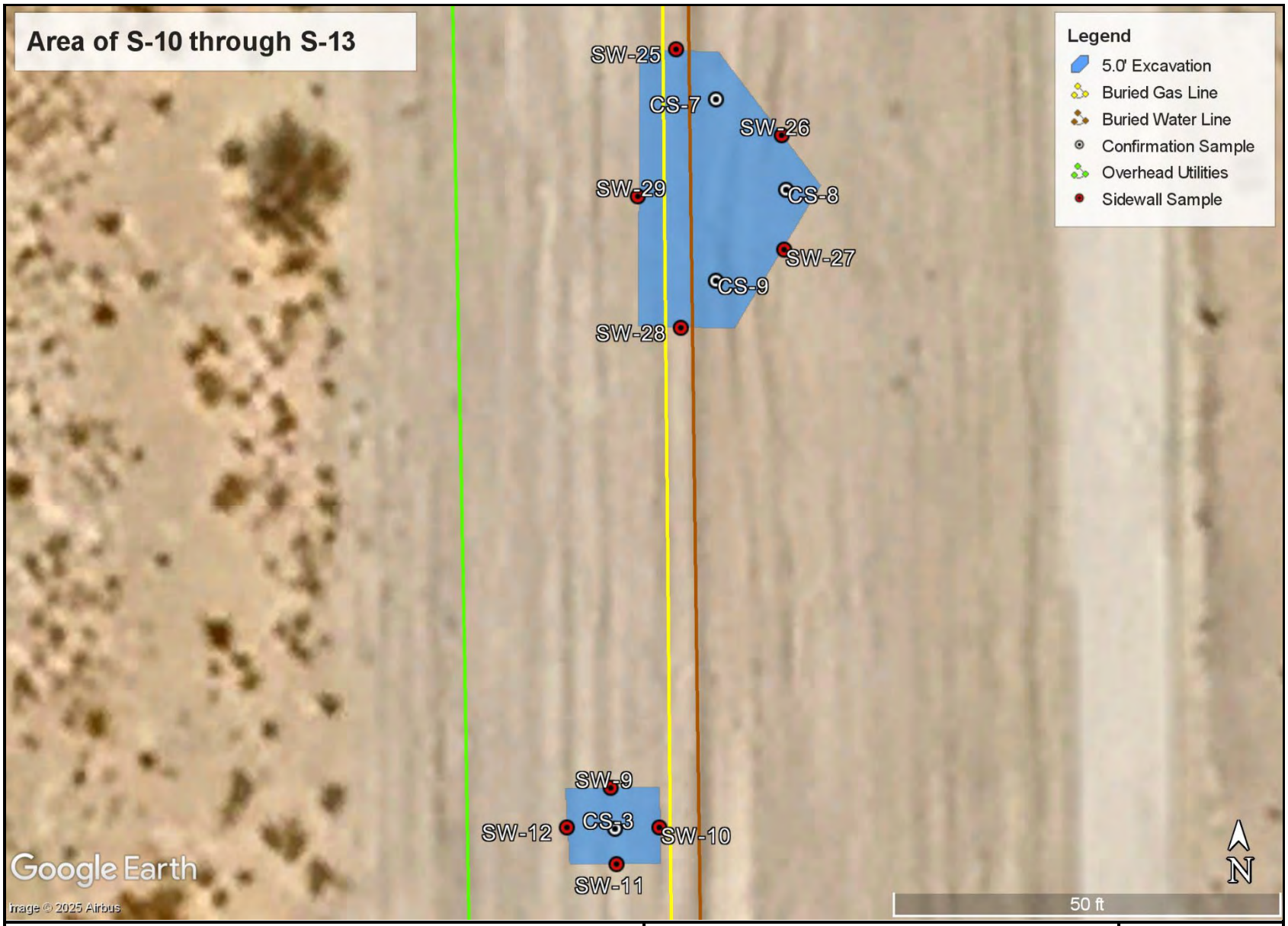


SAMPLE LOCATION MAP CHEVRON U.S.A., INC. HAYHURST PAD 10 (04.12.2022) EDDY COUNTY, NEW MEXICO 32.094581°, -104.154458°	CARMONA RESOURCES	FIGURE 3

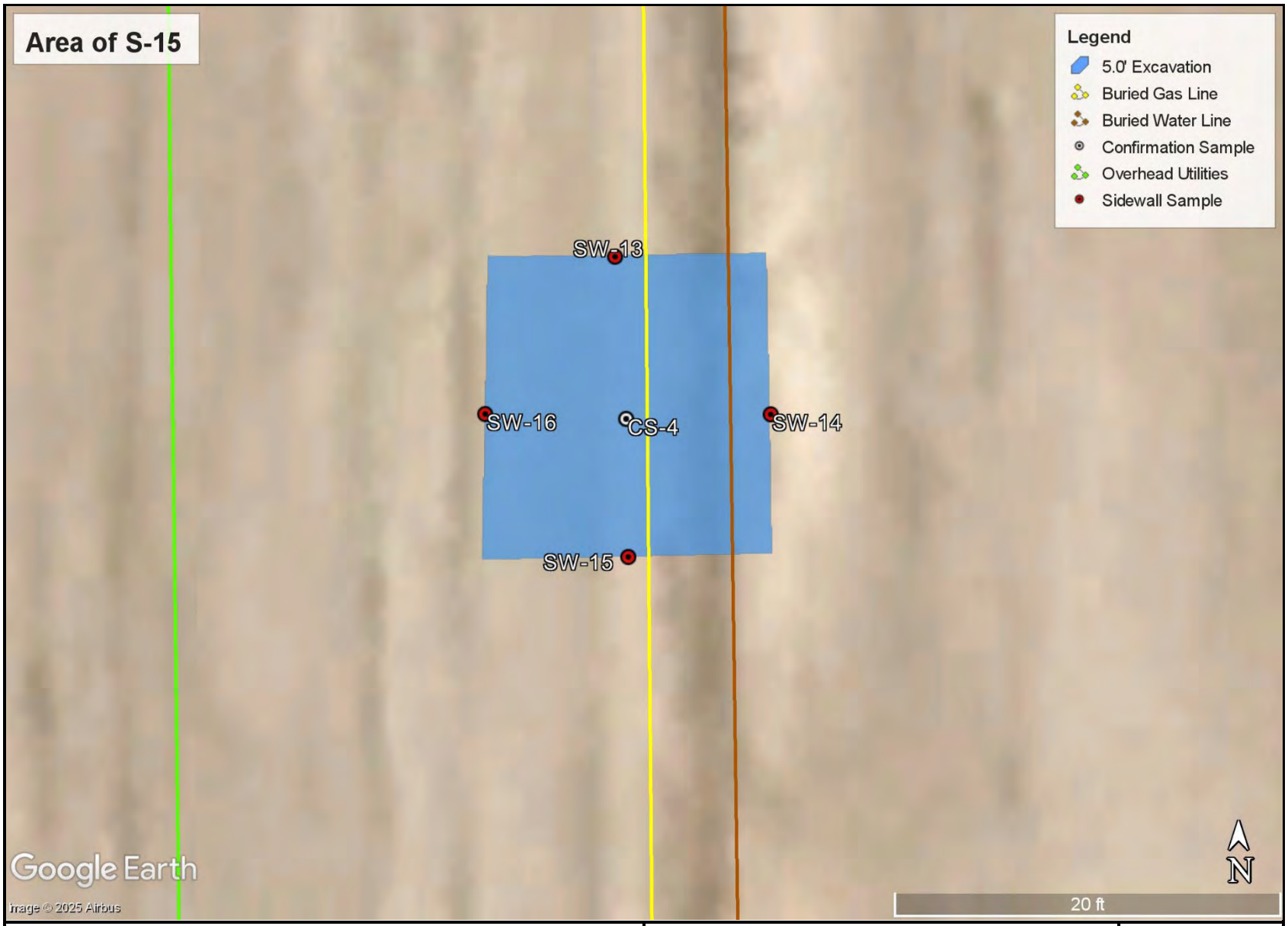
EXCAVATION DEPTH OVERVIEW MAP CHEVRON U.S.A., INC. HAYHURST PAD 10 (04.12.2022) EDDY COUNTY, NEW MEXICO 32.094581°, -104.154458°	CARMONA RESOURCES	FIGURE 4A



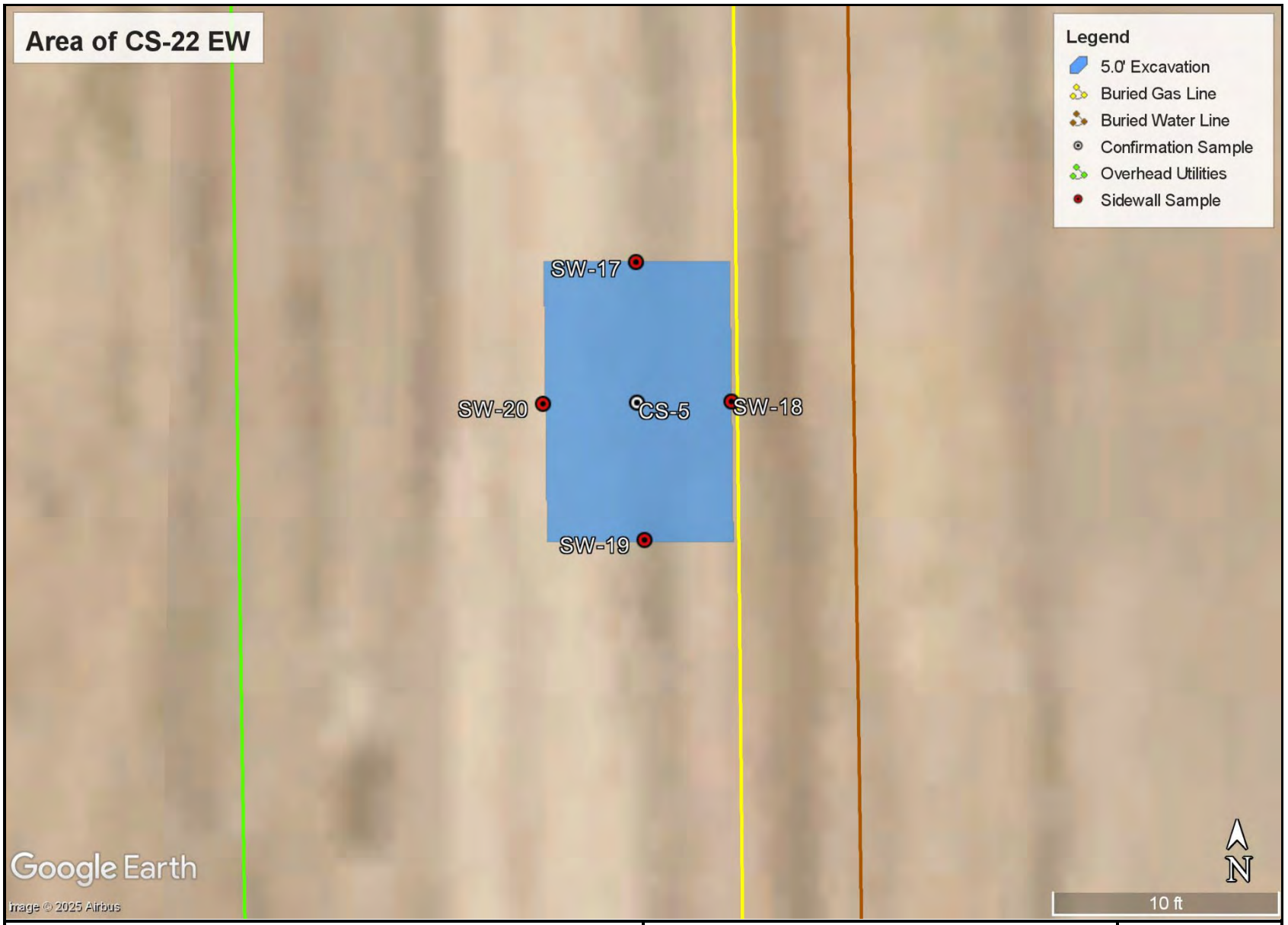
EXCAVATION DEPTH OVERVIEW MAP CHEVRON U.S.A., INC. HAYHURST PAD 10 (04.12.2022) EDDY COUNTY, NEW MEXICO 32.094581°, -104.154458°	CARMONA RESOURCES	FIGURE 4B



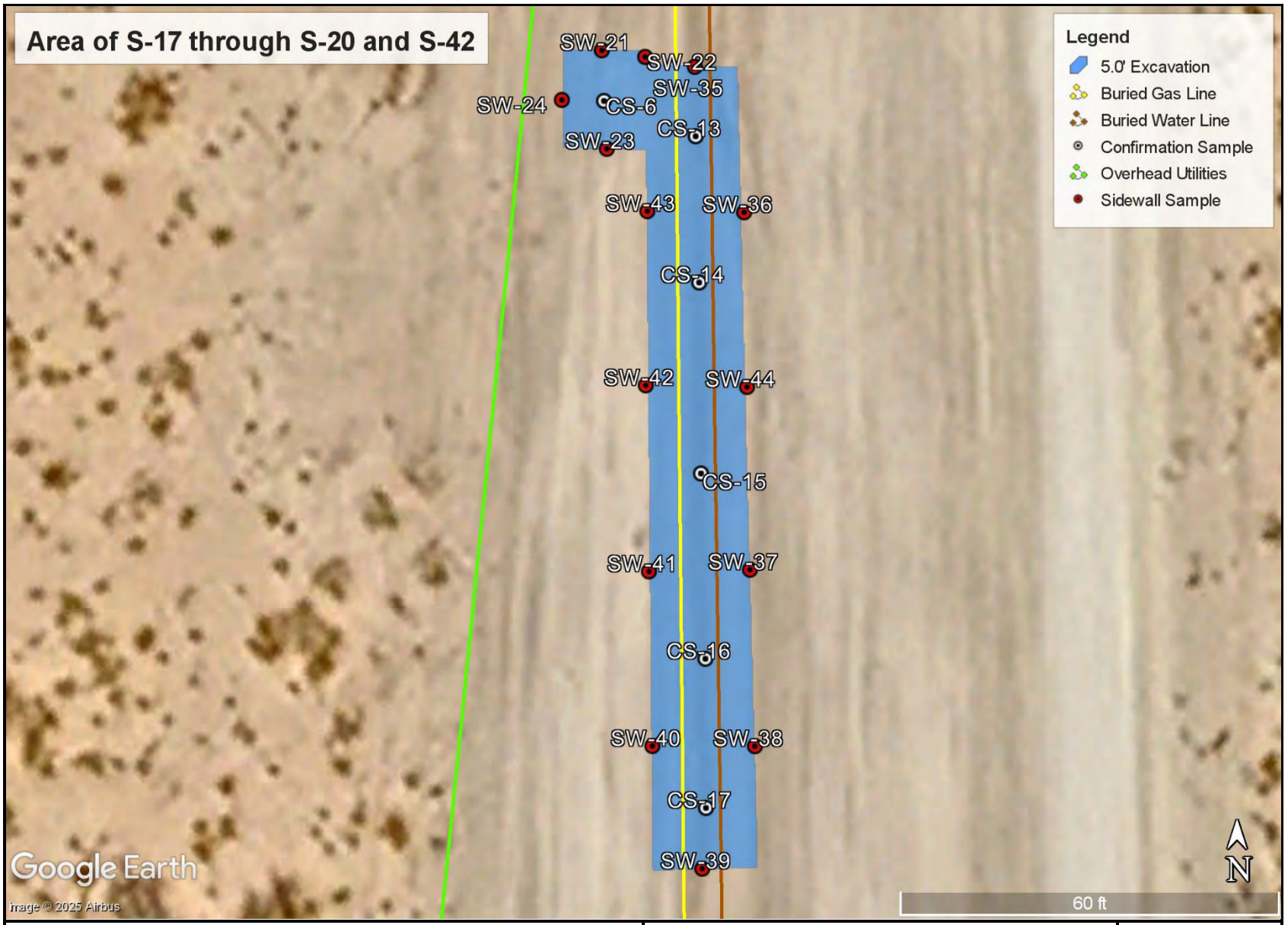
EXCAVATION DEPTH OVERVIEW MAP CHEVRON U.S.A., INC. HAYHURST PAD 10 (04.12.2022) EDDY COUNTY, NEW MEXICO 32.094581°, -104.154458°	CARMONA RESOURCES	FIGURE 4C



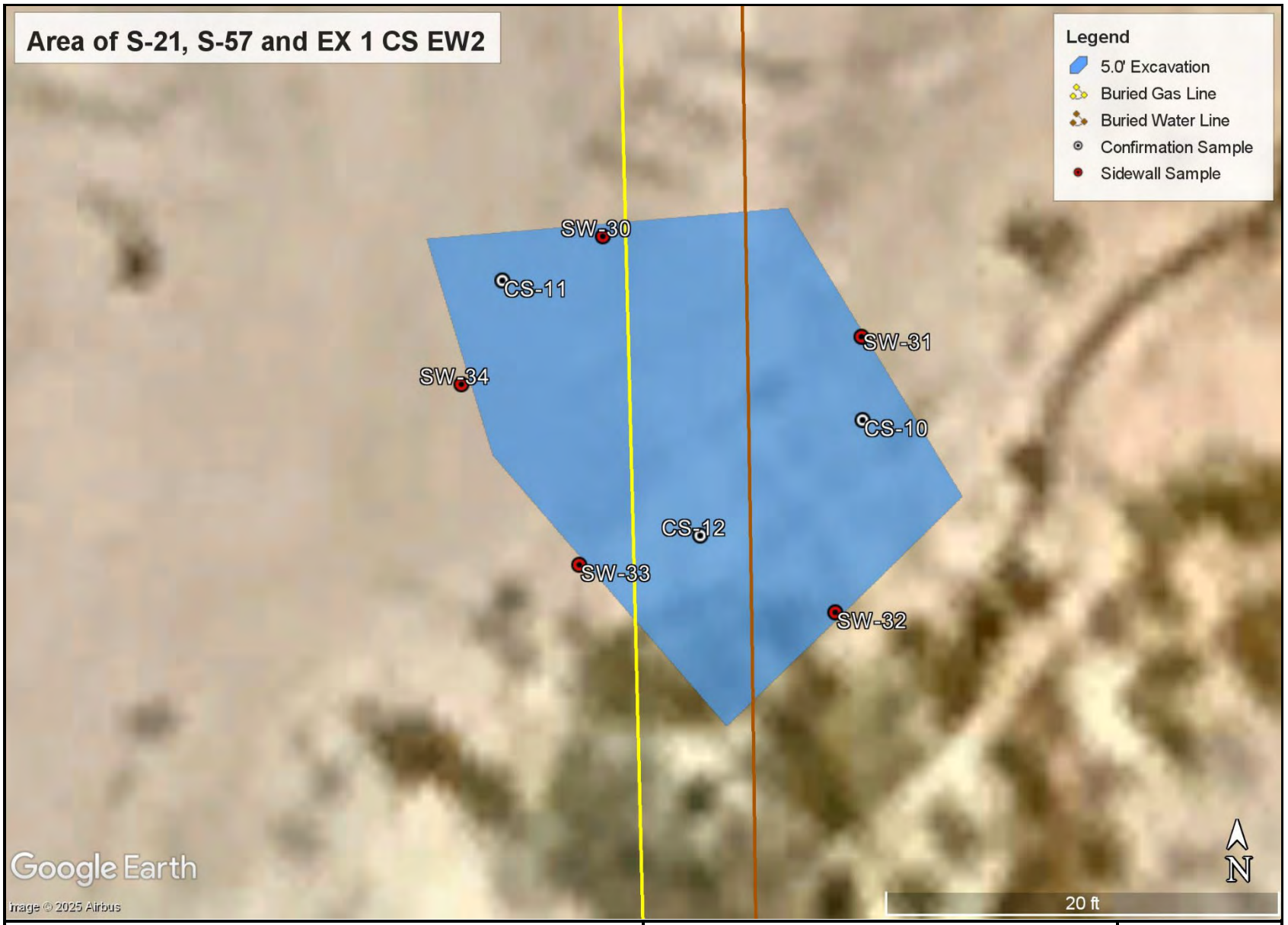
EXCAVATION DEPTH OVERVIEW MAP CHEVRON U.S.A., INC. HAYHURST PAD 10 (04.12.2022) EDDY COUNTY, NEW MEXICO 32.094581°, -104.154458°	CARMONA RESOURCES	FIGURE 4D



EXCAVATION DEPTH OVERVIEW MAP CHEVRON U.S.A., INC. HAYHURST PAD 10 (04.12.2022) EDDY COUNTY, NEW MEXICO 32.094581°, -104.154458°	CARMONA RESOURCES	FIGURE 4E



EXCAVATION DEPTH OVERVIEW MAP CHEVRON U.S.A., INC. HAYHURST PAD 10 (04.12.2022) EDDY COUNTY, NEW MEXICO 32.094581°, -104.154458°	CARMONA RESOURCES	FIGURE 4F



EXCAVATION DEPTH OVERVIEW MAP CHEVRON U.S.A., INC. HAYHURST PAD 10 (04.12.2022) EDDY COUNTY, NEW MEXICO 32.094581°, -104.154458°	CARMONA RESOURCES	FIGURE 4G

APPENDIX A

CARMONA RESOURCES

Table 1
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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						
S-1	9/11/2024	4'	<20	<25.0	<50,0	<100.0	<0.00201	<0.00201	<0.00201	<0.00402	<1.00	<100
S-2	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00202	<0.00202	<0.00202	<0.00404	<1.00	<100
S-3	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00199	<0.00199	<0.00199	<0.00398	<1.00	<100
S-4	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00201	<0.00201	<0.00201	<0.00402	<1.00	<100
S-5	9/11/2024	4'	<20.0	<25.0	<50.0	<100.0	<0.00199	<0.00199	<0.00199	<0.00398	<1.00	<100
S-6	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00199	<0.00199	<0.00199	<0.00398	<1.00	<100
S-7	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00200	<0.00200	<0.00200	<0.00399	<1.00	<100
S-8	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00201	<0.00201	<0.00201	<0.00402	<1.00	<100
S-9	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00200	<0.00200	<0.00200	<0.00401	<1.00	**3,290**
S-9	2/25/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**2,720**
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**2,800**
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**4,740**
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**2,650**
	"	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**4,740**
S-10	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00201	<0.00201	<0.00201	<0.00402	<1.00	**697**
S-10	2/28/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
S-11	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00199	<0.00199	<0.00199	<0.00398	<1.00	**3,230**
S-11	2/25/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**2,360**
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**1,840**
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,270**
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,240**
	"	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**1,160**
S-12	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00200	<0.00200	<0.00200	<0.00399	<1.00	**2,140**
S-12	2/25/2025	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**2,300**
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2,360**
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,590**
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**3,390**
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**1,290**
S-13	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00201	<0.00201	<0.00201	<0.00402	<1.00	**3,180**
S-13	2/25/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	0.0119	0.0119	**1,460**
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,160**
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,490**
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**829**
	"	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**673**
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Soil Sample
Removed

Table 1
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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						
S-14	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00200	<0.00200	<0.00200	<0.00401	<1.00	425
S-15	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00199	<0.00199	<0.00199	<0.00398	<1.00	**2,390**
S-15	2/26/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2,330**
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**1,900**
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,690**
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,010**
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**930**
S-16	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00199	<0.00199	<0.00199	<0.00398	<1.00	317
S-17	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00200	<0.00200	<0.00200	<0.00399	<1.00	**2,580**
S-17	2/26/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**2,080**
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**1,930**
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	406
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,870**
	"	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2,260**
S-18	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00201	<0.00201	<0.00201	<0.00402	<1.00	**4,370**
S-18	2/26/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**3,240**
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**2,620**
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**3,020**
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**2,440**
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2,220**
S-19	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00200	<0.00200	<0.00200	<0.00401	<1.00	**1,880**
S-19	2/26/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**2,770**
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**1,770**
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**1,720**
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	240
	"	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	230
S-20	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00199	<0.00199	<0.00199	<0.00398	<1.00	**1,480**
S-20	2/26/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**3,550**
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**2,520**
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,910**
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,290**
	"	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,600**
S-21	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00199	<0.00199	<0.00199	<0.00398	<1.00	**2,190**
S-21	2/27/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**2,960**
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	576
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,960**
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**2,840**
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,800**
S-22	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00200	<0.00200	<0.00200	<0.00399	<1.00	363
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Soil Sample
Removed

Table 1
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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						
S-23	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00201	<0.00201	<0.00201	<0.00402	<1.00	419
S-24	9/11/2024	4'	<20	<25.0	<50.0	<100.0	<0.00200	<0.00200	<0.00200	<0.00401	<1.00	**2,680**
S-24	2/28/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**2,720**
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**2,110**
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,920**
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,220**
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,440**
S-25	2/25/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.90
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.3
	"	3'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.9
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.0
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.4
S-26	2/24/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.98
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.3
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	47.2
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	47.1
S-27	2/25/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	192
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	177
	"	3'	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.9
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	25.6
	"	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	13.2
S-28	2/25/2025	0-1'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	30.7
	"	2'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.0
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.8
	"	4.5'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	27.0
S-29	2/28/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
S-30	2/24/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	10.2
	"	3'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.6
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
	"	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.94
S-31	2/28/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Soil Sample
Removed

Table 1
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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						
S-32	2/25/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	179
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	197
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	246
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	242
	"	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	239
S-33	2/25/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	84.3
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	105
	"	3'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	413
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	425
	"	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	517
S-34	2/24/2025	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.2
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	15.9
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	30.1
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	28.6
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	28.8
S-35	2/25/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	115
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	96.3
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	98.7
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	111
	"	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	86.1
S-36	2/25/2025	0-1'	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	552
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	504
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	421
	"	4'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	380
	"	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	378
S-37	2/28/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
S-38	2/27/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
S-39	2/26/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	284
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	334
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	203
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	271
	"	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	318
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Soil Sample
Removed

Table 1
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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						
S-40	2/27/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	0.064	0.475	0.539	32.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	0.097	0.713	0.810	32.0
S-41	2/27/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-42	2/26/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**974**
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**823**
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,020**
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,460**
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	321
S-43	2/27/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
S-44	2/27/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-45	2/27/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
S-46	2/26/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	264
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	262
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	242
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	306
	"	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	328
S-47	2/24/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.0
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.3
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.0
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.2
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Soil Sample
Removed

Table 1
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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						
S-48	2/24/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.5
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.7
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.8
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.7
	"	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.1
S-49	2/26/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	325
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	311
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	229
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	230
	"	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	230
S-50	2/24/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	54.2
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.0
	"	3'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.94
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<10.1
S-51	2/24/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	22.7
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.7
	"	3'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.0
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00406	<0.00199	<0.00398	0.00406	13.1
	"	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	0.0162	<0.00198	<0.00396	0.0162	16.1
S-52	2/26/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<9.94
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.94
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.96
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<9.98
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.1
S-53	2/24/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	49.0
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.7
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
S-54	2/24/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	21.9
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<9.96
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.92
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
S-55	2/27/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Soil Sample
Removed

Table 1
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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						
S-56	2/27/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
S-57	2/27/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**624**
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,020**
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**800**
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,040**
S-58	2/28/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
S-59	2/28/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-60	2/28/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,960**
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
S-61	2/28/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
	"	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	"	4'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	"	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
Confirmation Samples 1	1/6/2024	4'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	48
Confirmation Samples 2	1/6/2024	4'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	16.0
Confirmation Samples 3	1/6/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	64.0
Confirmation Samples 4	1/6/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	<100
Confirmation Samples 5	1/6/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	<100
Confirmation Samples 6	1/6/2024	4'	<10	<10	<10	<30	<0.00198	<0.00198	<0.00198	<0.00396	<.150	304
Confimation Samples 7	1/6/2024	4'	<10	<10	<10	<30	<0.00202	<0.00202	<0.00202	<0.00403	<.150	80.0
Confimation Samples 8	1/22/2024	8'	<10	<10	<10	<30	<0.00202	<0.00202	<0.00202	<0.00404	<.150	48.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Soil Sample
Removed

Table 1
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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						
Confimation Samples 9	1/22/2024	10'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	240
Confimation Samples 10	1/22/2024	10'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	80.0
Confirmation Samples 11	1/16/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	560
Confirmation Samples 12	1/16/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	592
Confirmation Samples 13	1/16/2024	4'	<10	<10	<10	<30	<0.00202	<0.00202	<0.00202	<0.00403	<.150	224
Confirmation Samples 14	1/16/2024	4'	<10	<10	<10	<30	<0.00198	<0.00198	<0.00198	<0.00396	<.150	80.0
Confirmation Samples 15	1/16/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	192
Confirmation Samples 16	1/16/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	<100
Confirmation Samples 17	1/23/2024	6'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	80.0
Confirmation Samples 18	1/23/2024	6'	<10	<10	<10	<30	<0.00202	<0.00202	<0.00202	<0.00404	<.150	160
Confirmation Samples 19	1/24/2024	6'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	<16
Confirmation Samples 20	1/24/2024	6'	<10	<10	<10	<30	<0.00198	<0.00198	<0.00198	<0.00396	<.150	96.0
Confirmation Samples 21	1/24/2024	0.5'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	80.0
Conifrmation Samples 22	1/29/2-24	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	128
Confirmation Samples 23	1/29/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	48.0
Confirmation Samples 24	1/29/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	320
Confirmation Samples 25	1/29/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	48.0
Confirmation Samples 26	1/29/2024	4'	<10	<10	<10	<30	<0.00198	<0.00198	<0.00198	<0.00396	<.150	176
Floor 27	2/5/2024	2'	<10	<10	<10	<30	<0.00202	<0.00202	<0.00202	<0.00403	<.150	32.0
Floor 28	2/6/2024	2'	<10	<10	<10	<30	<0.00202	<0.00202	<0.00202	<0.00404	<.150	32.0
Floor 29	2/7/2024	4'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	336
Floor 30	2/8/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	272
EW CS 1	2/9/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	64.0
EW CS 2	2/10/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00401	<.150	64.0
EW CS 3	2/11/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	80.0
CS 4 EW	2/12/2024	10'	<10	<10	<10	<30	<0.00198	<0.00198	<0.00198	<0.00396	<.150	320
CS 5 EW	2/13/2024	10'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	80.0
EW CS 6	2/14/2024	4'	<10	<10	<10	<30	<0.00198	<0.00198	<0.00198	<0.00396	<.150	96.0
EW CS 7	2/15/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	64.0
EW CS 8	2/16/2024	4'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	48.0
EW CS 9	2/17/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00401	<.150	32.0
EW CS 10	2/18/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	48.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 1
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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						
EW CS 11	2/19/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00400	<.150	128
EW CS 12	2/20/2024	4'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	48.0
CS EW 18	1/23/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	64.0
CS EW 19	1/24/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	48.0
CS EW 20	1/24/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	240
CS EW 21	1/24/2024	4'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	32.0
Confirmation Sample 22 EW	1/29/2024	4'	<10	<10	<10	<30	<0.00202	<0.00202	<0.00202	<0.00404	<.150	**864**
Confirmation Sample 23 EW	1/30/2024	4'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	16.0
Confirmation Sample 24 EW	1/31/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	16.0
Confirmation Sample 25 EW	2/1/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	32.0
Confirmation Sample 26 EW	2/2/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00401	<.150	32.0
27 NW 4	2/3/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	16.0
28 NW 3	2/4/2024	4'	<10	<10	<10	<30	<0.00198	<0.00198	<0.00198	<0.00396	<.150	16.0
29 NW 2	2/5/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	32.0
30 NW 1	2/6/2024	4'	<10	<10	<10	<30	<0.00198	0.00266	<0.00198	<0.00396	<.150	32.0
27 SW 4	2/7/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	32.0
28 SW 3	2/8/2024	4'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	16.0
29 SW 2	2/9/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00401	<.150	64.0
30 SW 1	2/9/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	48.0
Excavation 1 CS 1B	2/9/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00400	<.150	16.0
Excavation 1 WW # 1	2/9/2024	4'	<10	<10	<10	<30	<0.00201	<0.00201	<0.00201	<0.00402	<.150	32.0
Excavation 1 CS WW 2	2/9/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	48.0
Excavation 1 CS EW 1	2/9/2024	4'	<10	<10	<10	<30	<0.00199	<0.00199	<0.00199	<0.00398	<.150	416
Excavation 1 CS EW 2	2/9/2024	4'	<10	<10	<10	<30	<0.00200	<0.00200	<0.00200	<0.00399	<.150	**1,360**
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 2
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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	5/7/2025	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	182
CS-2	5/8/2025	5.0'	<50.2	<50.2	<50.2	<50.2	0.00279	0.00450	<0.00201	<0.00402	0.00729	**829**
	5/14/2025	5.25'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	146
CS-3	5/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-4	5/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	5/14/2025	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	96.0
CS-6	5/15/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	95.7
CS-7	5/19/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	69.3
CS-8	5/19/2025	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	59.7
CS-9	5/19/2025	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	86.8
CS-10	5/21/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-11	5/21/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-12	5/21/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-13	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS-14	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16
CS-15	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-16	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-17	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 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
Removed

Table 2
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy 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						
SW-1	5/7/2025	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	213
SW-2	5/7/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	199
SW-3	5/7/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	118
SW-4	5/7/2025	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	91.3
SW-5	5/8/2025	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	0.00524	0.00405	0.00929	70.0
SW-6	5/8/2025	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	0.00553	<0.00398	0.00553	94.8
SW-7	5/8/2025	5.0'	<50.3	<50.3	<50.3	<50.3	<0.00202	0.00479	<0.00202	<0.00404	0.00479	146
SW-8	5/8/2025	5.0'	<49.9	<49.9	<49.9	<49.9	0.00382	<0.00199	<0.00199	<0.00398	<0.00398	150
SW-9	5/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-10	5/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-11	5/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-12	5/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-13	5/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-14	5/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-15	5/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-16	5/13/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-17	5/14/2025	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	107
SW-18	5/14/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	95.9
SW-19	5/14/2025	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	86.0
SW-20	5/14/2025	5.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	87.5
SW-21	5/15/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	190
SW-22	5/15/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	178
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 2
Chevron U.S.A., Inc.
Hayhurst Pad 10 (04.12.2022)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-23	5/15/2025	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	82.4
SW-24	5/15/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	75.1
SW-25	5/19/2025	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	79.1
SW-26	5/19/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	91.5
SW-27	5/19/2025	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	68.9
SW-28	5/19/2025	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	64.2
SW-29	5/19/2025	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	67.4
SW-30	5/21/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-31	5/21/2025	5.0'	<10.0	12.5	15.4	27.9	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-32	5/21/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-33	5/21/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-34	5/21/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-35	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-36	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-37	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-38	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-39	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-40	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-41	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-42	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-43	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-44	5/23/2025	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Backfill	5/8/2025	-	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	107
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 1

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

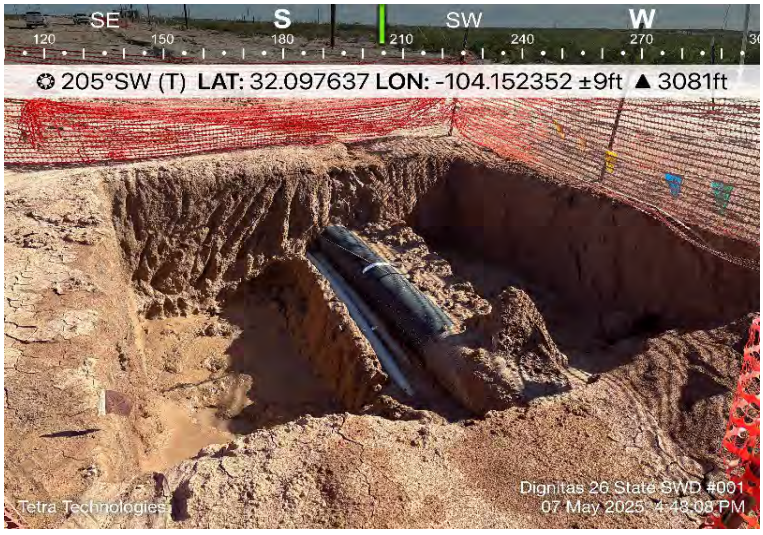
Description:
View Northwest, area of CS-1 and SW-1 through SW-4.

Photograph No. 2

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Southwest, area of CS-2 and SW-5 through SW-8

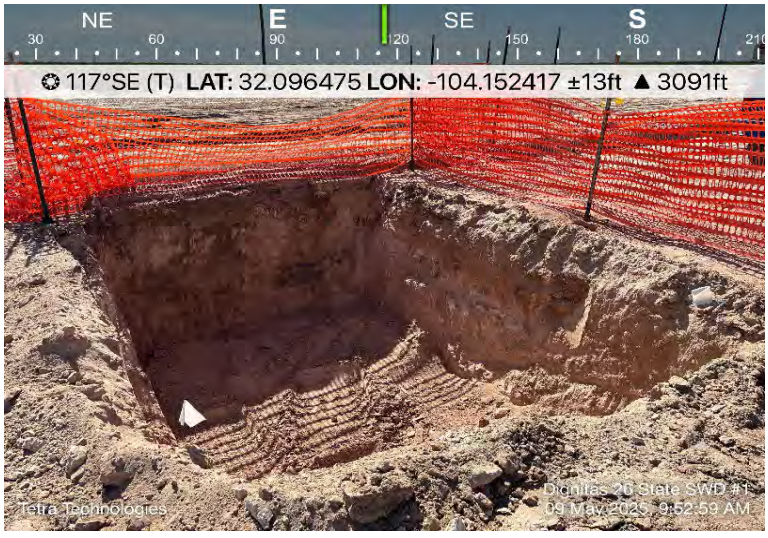


Photograph No. 3

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Southeast, area of CS-3 and SW-9 through SW-12.



CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 4

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Northwest, area of CS-4 and SW-13 through 16.

Photograph No. 5

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Southwest, area of CS-5 and SW-17 through SW-20.

Photograph No. 6

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Northeast, area of CS-6 and SW-21 through SW-24.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 7

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Northeast, area of CS-7 through CS-9 and SW-25 through SW-29.

.

Photograph No. 8

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View South, area of CS-10 through CS-12 and SW-30 through SW-34.

Photograph No. 9

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View North, area of CS-13, CS-14 and SW-35, SW-36 and SW-43

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 10

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View South, area of CS-15 through CS-17 and SW-37 through SW-44.

Photograph No. 11

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View East, Backfilled area of CS-1 and SW-1 through SW-4

Photograph No. 12

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View North, Backfilled area of CS-2 and SW-5 through SW-8

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 13

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View South, Backfilled area of CS-3 and SW-9 through SW-12

Photograph No. 14

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

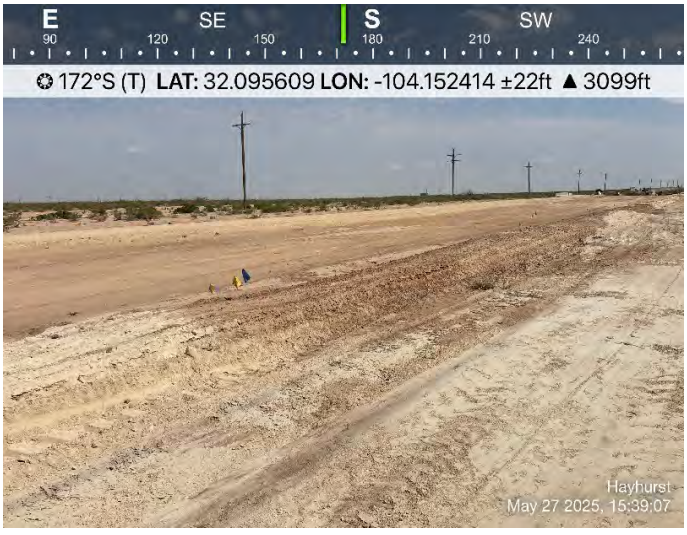
Description:
View North, Backfilled area of CS-4 and SW-13 through SW-16

Photograph No. 15

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View South, Backfilled area of CS-5 and SW-17 through SW-20



CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 16

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View West, area of CS-6, CS-13, SW-21 through SW-24, and SW-35

Photograph No. 17

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View North, Backfilled area of CS-7 through CS-9 and SW-25 through SW-29

Photograph No. 18

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View South, Backfilled area of CS-10 through CS-12 and SW-31 through SW-34.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 19

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Northwest, area of CS-14 through CS-17 and SW-36, SW-39 through SW-44

CARMONA RESOURCES

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 101813

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 101813
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source

Please answer all of the questions in this group.

Site Name	Hayhurst Pad 10
Date Release Discovered	04/12/2022
Surface Owner	State

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: Equipment Failure | Other (Specify) | Produced Water | Released: 566 BBL | Recovered: 0 BBL | Lost: 566 BBL]
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	No
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)	Layflat hose

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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: 101813
	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	04/12/2022
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.	

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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

ACKNOWLEDGMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 101813
	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

Action 101813

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 101813
	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.	4/27/2022

District I
1625 N. French Dr., Hobbs, NM 88240
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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	nAPP2211730678
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 32.094581 Longitude -104.154458
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Hayhurst Pad 10	Site Type: Produced Water
Date Release Discovered: 4-12-22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	26	25S	27E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 566	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: Tetra had a pressure spike during pump operations, and then discovered that a layflat head had separated, allowing a volume of produced water to spill until crews could shut down, clamp, and make repairs on the connection.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2211730678
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)? On 4-12-22 at 5:45pm Amy Barnhill e-mailed Mike Bratcher.	

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: 4-27-22

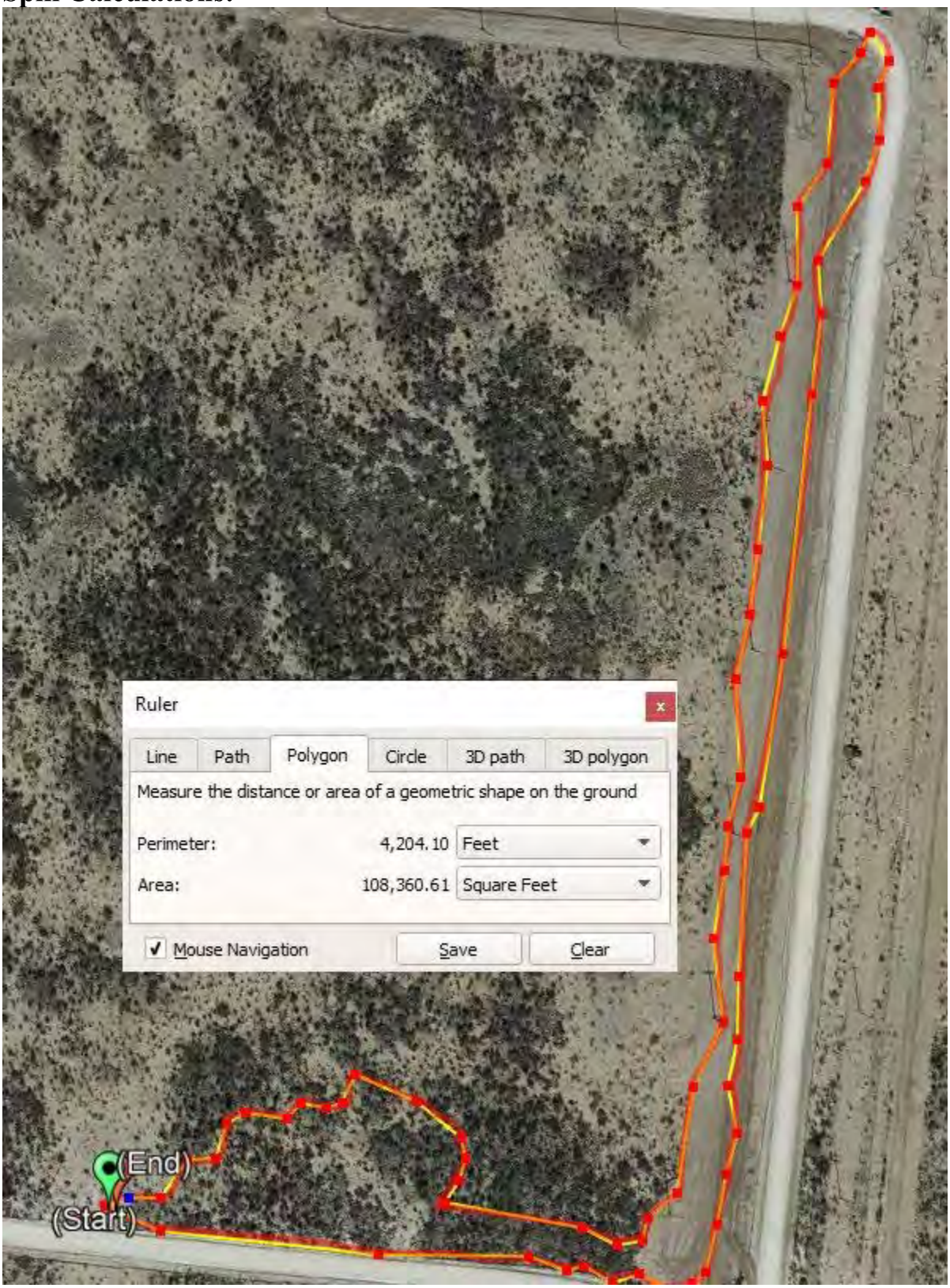
email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Jocelyn Harimon Date: 04/27/2022

Incident ID	nAPP2211730678
District RP	
Facility ID	
Application ID	

Spill Calculations:



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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: 101822
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/27/2022

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

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 452547
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation work plan approved.	4/17/2025
amaxwell	Submit a report via the OCD permitting portal by July 15, 2025.	4/17/2025

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 457477

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 457477
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2211730678**
Incident Name	**NAPP2211730678 HAYHURST PAD 10 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fMLB1702342252] HAYHURST SECTIONS 9 & 10 RECYCLING FACILITY**

Location of Release Source	
Site Name	**HAYHURST PAD 10**
Date Release Discovered	**04/12/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,840
What is the estimated number of samples that will be gathered	45
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/05/2025
Time sampling will commence	11:00 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	"(32.097994, -104.152404) Carmona Resources will be onsite to conduct a final confirmation sampling of the entire area mentioned in the work plan. Sampling will begin on 05.05.2025 and is expected to continue until 05.14.2025."

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

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 457477
	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.	5/1/2025

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 461219

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 461219
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2211730678**
Incident Name	**NAPP2211730678 HAYHURST PAD 10 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fMLB1702342252] HAYHURST SECTIONS 9 & 10 RECYCLING FACILITY**

Location of Release Source	
Site Name	**HAYHURST PAD 10**
Date Release Discovered	**04/12/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,840
What is the estimated number of samples that will be gathered	45
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2025
Time sampling will commence	08:00 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	"(32.097994, -104.152404) Carmona Resources will be onsite to conduct a final confirmation sampling of the entire area mentioned in the work plan. Sampling will begin on 05.15.2025 and is expected to continue until 05.23.2025."

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

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 461219
	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.	5/13/2025

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 457477

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 457477
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2211730678**
Incident Name	**NAPP2211730678 HAYHURST PAD 10 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fMLB1702342252] HAYHURST SECTIONS 9 & 10 RECYCLING FACILITY**

Location of Release Source	
Site Name	**HAYHURST PAD 10**
Date Release Discovered	**04/12/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,840
What is the estimated number of samples that will be gathered	45
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/05/2025
Time sampling will commence	11:00 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	"(32.097994, -104.152404) Carmona Resources will be onsite to conduct a final confirmation sampling of the entire area mentioned in the work plan. Sampling will begin on 05.05.2025 and is expected to continue until 05.14.2025."

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

General Information
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 457477

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 457477
	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.	5/1/2025

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

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 461219

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 461219
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2211730678**
Incident Name	**NAPP2211730678 HAYHURST PAD 10 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fMLB1702342252] HAYHURST SECTIONS 9 & 10 RECYCLING FACILITY**

Location of Release Source	
Site Name	**HAYHURST PAD 10**
Date Release Discovered	**04/12/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,840
What is the estimated number of samples that will be gathered	45
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2025
Time sampling will commence	08:00 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	"(32.097994, -104.152404) Carmona Resources will be onsite to conduct a final confirmation sampling of the entire area mentioned in the work plan. Sampling will begin on 05.15.2025 and is expected to continue until 05.23.2025."

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 461219

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 461219
	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.	5/13/2025

APPENDIX D

CARMONA RESOURCES

Received by OCD: 6/4/2025 9:31:28 AM

Nearest Water Well

Chevron USA

16.85' - Gauged 2025

12' - Drilled 2016

69' - Drilled 2019

HAYHURST PAD 10 (04.12.2022)

Legend

- 0.26 Miles
- 0.50 Mile Radius
- 1.34 Miles
- 1.37 Miles
- HAYHURST PAD 10 (04.12.2022)

Google Earth

5000 ft

N

Released to Imaging: 6/16/2025 9:10:05 AM

Image © 2025 Airbus

Received by OCD: 6/4/2025 9:31:28 AM

High Karst

Chevron USA

Legend

- HAYHURST PAD 10 (04.12.2022)
- High
- Medium

HAYHURST PAD 10 (04.12.2022)

Google Earth

Released to Imaging: 6/16/2025 9:10:05 AM

Image © 2025 Airbus

N

5000 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 04371 POD1		CUB	ED	SW	SW	SE	26	25S	27E	579368.8	3551272.6		418	100	69	31
C 03938 POD1		CUB	ED	NE	NE	NE	25	25S	27E	581481.8	3552616.2		2189	21	12	9
C 02474		CUB	ED		SE	SW	02	26S	27E	578964.0	3548029.0 *		3306	100		
C 03262 POD1		CUB	ED	NE	NW	NE	22	25S	27E	577837.0	3554244.0 *		3586	75		
C 04573 POD3		CUB	ED	SE	NW	NW	11	26S	27E	578583.5	3547602.4		3823	100	36	64
C 04573 POD2		CUB	ED	SW	NW	NW	11	26S	27E	578564.6	3547561.3		3868	104	35	69
C 04573 POD1		CUB	ED	SW	NW	NW	11	26S	27E	578524.4	3547472.6		3965	104	35	69

Average Depth to Water: **37 feet**

Minimum Depth: **12 feet**

Maximum Depth: **69 feet**

Record Count: 7

UTM Filters (in meters):
Easting: 579785.14
Northing: 3551232.17
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.

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE ROSWELL, NEW MEXICO 2019 NOV -4 PM 4:

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.): N/A	WELL TAG ID NO.	OSE FILE NO(S).: C-4371
WELL OWNER NAME(S): Tetra Tech Inc. on behalf of Chevron N.A. E&P Co.		PHONE (OPTIONAL): 432-687-8130
WELL OWNER MAILING ADDRESS: 901 W. Wall St. Suite 100		CITY: Midland STATE: TX ZIP: 79706

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	5	41.91	N
	LONGITUDE	104	9	31.92	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10/17/2019	10/17/2019		100	69

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 69

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4371	POD NO. 1	TRN NO. 660311	
LOCATION 25S.27E.26.433		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Tan clayey sand	Y ✓N	
5	100	95	Gypsum	✓Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Dallas Rader

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10.28.19
DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
N/A		C-4371

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Tetra Tech Inc. on behalf of Chevron N.A. E&P Co.	432-687-8130

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
901 W. Wall St. Suite 100	Midland	TX	79706

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	5	41.91	N
	LONGITUDE	104	9	31.92	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10/17/2019	10/17/2019		100	69

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 69

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Tan clayey sand	Y ✓ N	
5	100	95	Gypsum	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Dallas Rader

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10/28/19
DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S

Groundwater | New Mexico | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320627104101801

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320627104101801 25S.27E.27.21242 498

Eddy County, New Mexico
Latitude 32°06'25.92", Longitude 104°10'27.98" NAD83
Land-surface elevation 3,064 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1983-02-02		D	62610		3049.96	NGVD29	1	Z		
1983-02-02		D	62611		3051.58	NAVD88	1	Z		
1983-02-02		D	72019	12.42			1	Z		
1987-10-09		D	62610		3051.85	NGVD29	1	Z		
1987-10-09		D	62611		3053.47	NAVD88	1	Z		
1987-10-09		D	72019	10.53			1	Z		
1992-12-08		D	62610		3050.12	NGVD29	1	S		
1992-12-08		D	62611		3051.74	NAVD88	1	S		
1992-12-08		D	72019	12.26			1	S		
1998-01-07		D	62610		3048.19	NGVD29	1	S		
1998-01-07		D	62611		3049.81	NAVD88	1	S		
1998-01-07		D	72019	14.19			1	S		
2003-01-29		D	62610		3045.95	NGVD29	1	S	USGS	
2003-01-29		D	62611		3047.57	NAVD88	1	S	USGS	
2003-01-29		D	72019	16.43			1	S	USGS	
2022-01-13	14:35 UTC	m	62610		3046.65	NGVD29	1	V	USGS	

Date	Time	? Water-level date-time accuracy	? Parameter code		Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S	
2022-01-13	14:35 UTC	m	62611		3048.27	NAVD88	1	V	USGS
2022-01-13	14:35 UTC	m	72019	15.73			1	V	USGS
2023-02-14	16:05 UTC	m	62610		3046.27	NGVD29	1	S	USGS
2023-02-14	16:05 UTC	m	62611		3047.89	NAVD88	1	S	USGS
2023-02-14	16:05 UTC	m	72019	16.11			1	S	USGS
2024-03-08	15:07 UTC	m	62610		3045.89	NGVD29	P	S	USGS
2024-03-08	15:07 UTC	m	62611		3047.51	NAVD88	P	S	USGS
2024-03-08	15:07 UTC	m	72019	16.49			P	S	USGS
2025-01-02	20:38 UTC	m	62610		3045.53	NGVD29	1	S	USGS
2025-01-02	20:38 UTC	m	62611		3047.15	NAVD88	1	S	USGS
2025-01-02	20:38 UTC	m	72019	16.85			1	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2025-03-10 14:03:33 EDT
0.34 0.24 nadww02

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2016 MAR 22 PM 1:14

1. GENERAL AND WELL LOCATION

OSE POD NUMBER (WELL NUMBER): CROSSMAN ST 25 #1 TW-1	OSE FILE NUMBER(S): C-3938
WELL OWNER NAME(S): CONCHO OPERATING, LLC	PHONE (OPTIONAL):
WELL OWNER MAILING ADDRESS: 600 W ILLINOIS AVE	CITY: MIDLAND STATE: TX ZIP: 79701

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	06	25.0	N
	LONGITUDE	104	08	10.9	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

CORNER OF HWY 285 & BUMPY RD GO W 2.6 MI TO INTERSEC. SW ON CALICHE RD 1.3 MILES TO CROSSMAN WELL 25 #1

2. DRILLING & CASING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER			NAME OF WELL DRILLING COMPANY
WD-1711	EDWARD BRYAN			STRAUB CORPORATION
DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
3-8-16	3-8-16	21'	21'	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 12'

DRILLING FLUID: ☐ AIR ☑ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
21'	6'	6"	SCH 40.010 SCREEN	FJ	2"	0.154	.010
6'	+43	6"	SCH 40 SCREEN	FJ	2"	0.154	RISER

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
21'	4'	6"	7 BAGS OF 20/40 SAND		TOPLOAD
4'	2'	6"	1 BAG OF 3/8 HOLEPLUG		TOPLOAD
2'	0	6"	1 BAG OF 5% CEMENT GROUT		TOPLOAD

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 10/29/15)

FILE NUMBER	C-3938	POD NUMBER	1	TRN NUMBER	583399
LOCATION	25S.27E.25.2.2.2			monitor	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	3'	3'	TAN FINE SAND - CALICHE - CEMENT SANDSTONE	Y ✓ N	0.00
3'	9'	6'	BROWN FINE SAND WITH CLAY	Y ✓ N	0.00
9'	13'	4'	TAN VERY FINE SAND - P GRAVEL	Y ✓ N	0.00
13'	20'	7'	TAN VERY FINE SAND - P GRAVEL - WITH CLAY	Y ✓ N	0.00
TD	20'			Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: 2X2 PAD
4"X4"X60" HIGH RISE
EDDY COUNTY

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

Edward Bryan — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

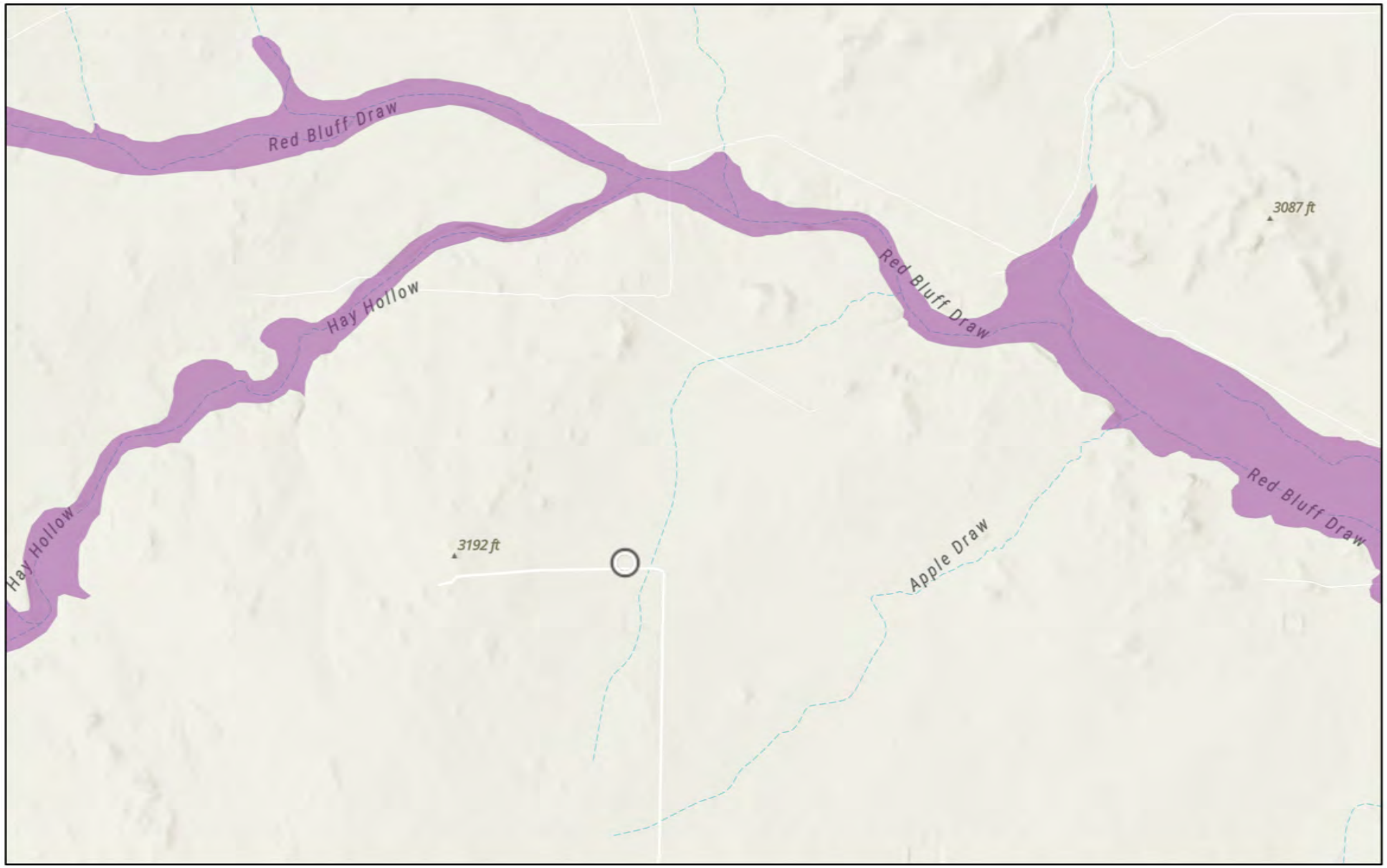
3-17-14 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	C-3938	POD NUMBER	1	TRN NUMBER	583399
LOCATION	25S.27E.25.2.2.2			monitor	PAGE 2 OF 2

Released to Imaging: 6/16/2025 9:10:05 AM
Received by OCD: 6/4/2025 9:31:28 AM

HAYHURST PAD 10 (04.12.2022)



3/10/2025

USA Flood Hazard Areas

1% Annual Chance Flood Hazard

World_Hillshade

1:36,112

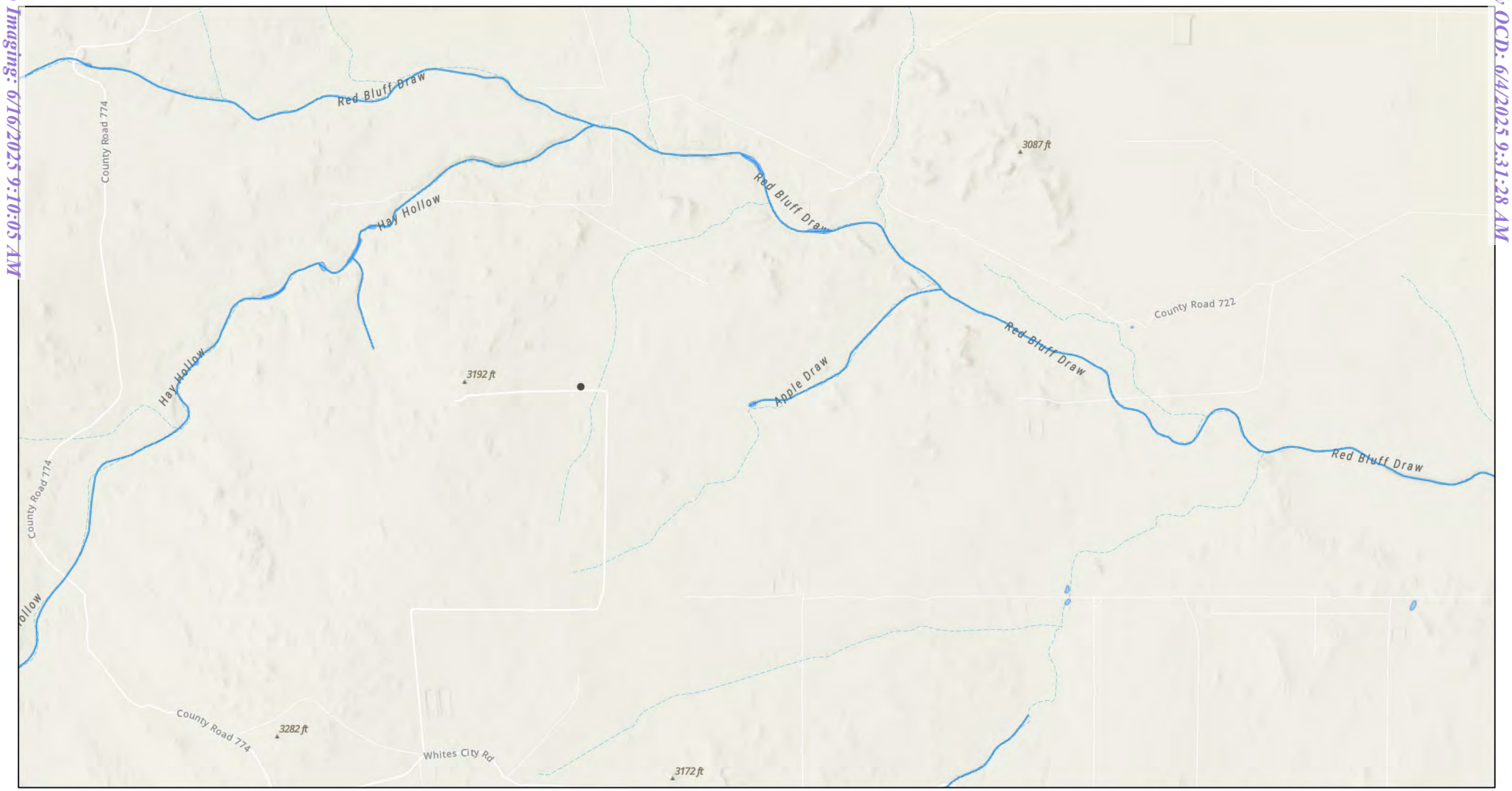
0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

Released to Imaging: 6/10/2025 9:10:05 AM
Received by OCD: 6/4/2025 9:31:28 AM

HAYHURST PAD 10 (04.12.2022)



3/10/2025, 12:56:07 PM

OSW Water Bodys

OSE Streams

1:36,112

0 0.38 0.75 1.5 mi

0 0.5 1 2 km

Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE

New Mexico Oil Conservation Division
NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

From: Trautner, Ellen M
To: Austin Weyant
Cc: CFO_Spill, BLM_NM; David Domingue
Subject: Re: [EXTERNAL] RE: Hayhurst Pad 10 pipeline Karst Survey
Date: Wednesday, January 8, 2025 10:57:54 AM
Attachments: image001.png

TETRA Technologies

Warning: Sender etrautner@blm.gov has never sent any emails to your organization. Please be careful before replying.

Report Phishing Block as Junk Mark As Safe

powered by Graphus®

Thank you for the location information. I was able to locate the pertinent karst survey for this pipeline. There are no known karst features in this area. At this time, I have no concerns regarding the deferred areas impacting any karst resources.

Let me know if you have any further questions.

Thanks and happy new year,

Ellen Trautner
Natural Resource Specialist (Karst)
Bureau of Land Management
Carlsbad Field Office
620 E Greene St
Carlsbad NM 88220

Office: (575) 234-5711
Cell: (575) 725-1927

From: Austin Weyant <austin@atkinseng.com>
Sent: Tuesday, January 7, 2025 2:46 PM
To: Trautner, Ellen M <etrautner@blm.gov>
Cc: CFO_Spill, BLM_NM <BLM_NM_CFO_Spill@blm.gov>; David Domingue <DDomingue@onetetra.com>
Subject: [EXTERNAL] RE: Hayhurst Pad 10 pipeline Karst Survey

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Were the attached reports sufficient to locate the Karst survey for the subject Chevron ROW? NMOCD and my client are requesting a copy of the area survey.

From: Austin Weyant
Sent: Monday, December 16, 2024 7:23 AM
To: etrautner@blm.gov
Cc: blm_nm_cfo_spill@blm.gov
Subject: Hayhurst Pad 10 pipeline Karst Survey

As per our conversation last week, any area Karst surveys would be helpful. The release stayed in the Chevron pipelines ROW.

J. Austin Weyant
Project Manager
Geoscientist

213 W Mermod, Carlsbad NM 88220

O. 575.624.2420
D. 575.323.2456
C. 575.626.3993
finalletterhead text

APPENDIX E

CARMONA RESOURCES

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 23, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/15/24 16:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-11	H240168-01	Soil	10-Jan-24 10:15	15-Jan-24 16:32
SP-12	H240168-02	Soil	10-Jan-24 10:40	15-Jan-24 16:32
SP-13	H240168-03	Soil	10-Jan-24 11:20	15-Jan-24 16:32
SP-14	H240168-04	Soil	10-Jan-24 12:10	15-Jan-24 16:32
SP-15	H240168-05	Soil	10-Jan-24 12:35	15-Jan-24 16:32
SP-1 4'	H240168-06	Soil	10-Jan-24 13:30	15-Jan-24 16:32
SP-1 5'	H240168-07	Soil	10-Jan-24 13:40	15-Jan-24 16:32
SP-1 6'	H240168-08	Soil	10-Jan-24 13:50	15-Jan-24 16:32
SP-1 7'	H240168-09	Soil	10-Jan-24 13:55	15-Jan-24 16:32
SP-1 8'	H240168-10	Soil	10-Jan-24 14:00	15-Jan-24 16:32

01/23/24 - Client added BTEX and TPH on 01/19/24 (see COC). This is the revised report and will replace the one sent on 01/18/24.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-11

H240168-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.9 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*91.1 %*	*48.2-134*		*4011904*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.6 %*	*49.1-148*		*4011904*	MS	*19-Jan-24*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-12

H240168-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*96.8 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*95.1 %*	*48.2-134*		*4011904*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.6 %*	*49.1-148*		*4011904*	MS	*19-Jan-24*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-13

H240168-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.7 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*102 %*	*48.2-134*		*4011904*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*95.5 %*	*49.1-148*		*4011904*	MS	*19-Jan-24*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-14

H240168-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.0 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*84.0 %*	*48.2-134*		*4011904*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.0 %*	*49.1-148*		*4011904*	MS	*19-Jan-24*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-15

H240168-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.0 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*94.5 %*	*48.2-134*		*4011904*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*87.3 %*	*49.1-148*		*4011904*	MS	*19-Jan-24*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-1 4'

H240168-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.2 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*86.6 %*	*48.2-134*		*4011913*	MS	*20-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.6 %*	*49.1-148*		*4011913*	MS	*20-Jan-24*	*8015B*	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-1 5'

H240168-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.0 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*70.7 %*	*48.2-134*		*4011913*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*53.3 %*	*49.1-148*		*4011913*	MS	*19-Jan-24*	*8015B*	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-1 6'

H240168-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.9 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*72.5 %*	*48.2-134*		*4011913*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*54.4 %*	*49.1-148*		*4011913*	MS	*19-Jan-24*	*8015B*	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-1 7'

H240168-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.0 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*72.5 %*	*48.2-134*		*4011913*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*55.4 %*	*49.1-148*		*4011913*	MS	*19-Jan-24*	*8015B*	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-1 8'

H240168-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.6 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*102 %*	*48.2-134*		*4011913*	MS	*20-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*109 %*	*49.1-148*		*4011913*	MS	*20-Jan-24*	*8015B*	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011523 - 1:4 DI Water										
Blank (4011523-BLK1)				Prepared & Analyzed: 15-Jan-24						
Chloride	ND	16.0	mg/kg							
LCS (4011523-BS1)				Prepared & Analyzed: 15-Jan-24						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (4011523-BSD1)				Prepared & Analyzed: 15-Jan-24						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011907 - Volatiles										
Blank (4011907-BLK1)				Prepared & Analyzed: 19-Jan-24						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*97.8*	*71.5-134*			
LCS (4011907-BS1)				Prepared & Analyzed: 19-Jan-24						
Benzene	1.85	0.050	mg/kg	2.00		92.6	82.8-130			
Toluene	1.83	0.050	mg/kg	2.00		91.7	86-128			
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.6	85.9-128			
m,p-Xylene	3.55	0.100	mg/kg	4.00		88.7	89-129			BS-3
o-Xylene	1.78	0.050	mg/kg	2.00		89.2	86.1-125			
Total Xylenes	5.33	0.150	mg/kg	6.00		88.9	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0485*		mg/kg	*0.0500*		*97.0*	*71.5-134*			
LCS Dup (4011907-BSD1)				Prepared & Analyzed: 19-Jan-24						
Benzene	2.17	0.050	mg/kg	2.00		109	82.8-130	15.8	15.8	
Toluene	2.16	0.050	mg/kg	2.00		108	86-128	16.3	15.9	QR-04
Ethylbenzene	2.15	0.050	mg/kg	2.00		108	85.9-128	16.0	16	
m,p-Xylene	4.19	0.100	mg/kg	4.00		105	89-129	16.6	16.2	QR-04
o-Xylene	2.10	0.050	mg/kg	2.00		105	86.1-125	16.2	16.7	
Total Xylenes	6.29	0.150	mg/kg	6.00		105	88.2-128	16.5	16.3	QR-04
Surrogate: 4-Bromofluorobenzene (PID)	*0.0490*		mg/kg	*0.0500*		*97.9*	*71.5-134*			

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011904 - General Prep - Organics										
Blank (4011904-BLK1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*55.6*		mg/kg	*50.0*		*111*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*51.6*		mg/kg	*50.0*		*103*	*49.1-148*			
LCS (4011904-BS1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	206	10.0	mg/kg	200		103	66.4-123			
DRO >C10-C28	214	10.0	mg/kg	200		107	66.5-118			
Total TPH C6-C28	421	10.0	mg/kg	400		105	77.6-123			
Surrogate: 1-Chlorooctane	*61.5*		mg/kg	*50.0*		*123*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*57.3*		mg/kg	*50.0*		*115*	*49.1-148*			
LCS Dup (4011904-BSD1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	194	10.0	mg/kg	200		97.0	66.4-123	6.14	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.3	66.5-118	7.58	21	
Total TPH C6-C28	393	10.0	mg/kg	400		98.2	77.6-123	6.87	18.5	
Surrogate: 1-Chlorooctane	*58.8*		mg/kg	*50.0*		*118*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*53.8*		mg/kg	*50.0*		*108*	*49.1-148*			
Batch 4011913 - General Prep - Organics										
Blank (4011913-BLK1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*45.0*		mg/kg	*50.0*		*90.1*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*35.2*		mg/kg	*50.0*		*70.3*	*49.1-148*			

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011913 - General Prep - Organics										
LCS (4011913-BS1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	204	10.0	mg/kg	200		102	66.4-123			
DRO >C10-C28	184	10.0	mg/kg	200		92.2	66.5-118			
Total TPH C6-C28	388	10.0	mg/kg	400		97.0	77.6-123			
Surrogate: 1-Chlorooctane	*47.1*		mg/kg	*50.0*		*94.2*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*38.6*		mg/kg	*50.0*		*77.3*	*49.1-148*			
LCS Dup (4011913-BSD1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	207	10.0	mg/kg	200		103	66.4-123	1.59	17.7	
DRO >C10-C28	193	10.0	mg/kg	200		96.5	66.5-118	4.55	21	
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123	3.01	18.5	
Surrogate: 1-Chlorooctane	*48.2*		mg/kg	*50.0*		*96.5*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*40.7*		mg/kg	*50.0*		*81.3*	*49.1-148*			

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

		BILL TO	
Company Name:	Safety and Environmental Solutions	P.O. #:	
Project Manager:	Bob Allen	Company:	Same
Address:	703 East Clinton, PO Box 1613	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	575 397-0510 Fax #: 575 393-4388	City:	
Project #:	ATK-22-002 Project Owner:	State: Zip:	
Project Name:	Hayhurst	Phone #:	
Project Location:		Fax #:	
Sampler Name:	Robert Martinez		

ANALYSIS REQUEST: Chlorides; BTEX added 1-19-24 X; TPH added 1-19-24 X

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides	BTEX added 1-19-24	TPH added 1-19-24
H240168 1	SP - 11	G	1			X					X		1/10/24	1015	X	X	X
2	SP - 12													1020			
3	SP - 13													1120			
4	SP - 14													1210			
5	SP - 15													1235			
6	SP - 1 4'													1330			
7	SP - 1 5'													1340			
8	SP - 1 6'													1350			
9	SP - 1 7'													1355			
10	SP - 1 8'	G	1			X					X		1/10/24	1400	X		

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Relinquished By:	Date: 1/15/24	Received By:	
	Time: 16:32		
Relinquished By:	Date:	Received By:	
	Time:		

Phone Result: ☐ Yes ☒ No Add'l Phone #:
Fax Result: ☐ Yes ☒ No Add'l Fax #:

REMARKS:
email: ballen@ses-nm.com
dboyer@ses-nm.com
BMartinez@ses-nm.com
* customer added BTEX + TPH Analysis to samples.
SRodriguez 1-19-24

Delivered By: (Circle One) 0.8°C #1140
Sampler - UPS - Bus - Other:

Sample Condition: Cool Intact — ☐ Yes ☒ Yes ☐ No ☐ No

CHECKED BY: (Initials)

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 22, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/18/24 15:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 1 (H240220-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2024	ND	2.14	107	2.00	11.0	
Toluene*	<0.050	0.050	01/18/2024	ND	2.16	108	2.00	6.37	
Ethylbenzene*	<0.050	0.050	01/18/2024	ND	2.22	111	2.00	8.56	
Total Xylenes*	<0.150	0.150	01/18/2024	ND	6.60	110	6.00	8.99	
Total BTEX	<0.300	0.300	01/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane *73.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *71.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 2 (H240220-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2024	ND	2.14	107	2.00	11.0	
Toluene*	<0.050	0.050	01/18/2024	ND	2.16	108	2.00	6.37	
Ethylbenzene*	<0.050	0.050	01/18/2024	ND	2.22	111	2.00	8.56	
Total Xylenes*	<0.150	0.150	01/18/2024	ND	6.60	110	6.00	8.99	
Total BTEX	<0.300	0.300	01/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane *91.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 3 (H240220-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2024	ND	2.14	107	2.00	11.0	
Toluene*	<0.050	0.050	01/18/2024	ND	2.16	108	2.00	6.37	
Ethylbenzene*	<0.050	0.050	01/18/2024	ND	2.22	111	2.00	8.56	
Total Xylenes*	<0.150	0.150	01/18/2024	ND	6.60	110	6.00	8.99	
Total BTEX	<0.300	0.300	01/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane *91.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 6 (H240220-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2024	ND	2.14	107	2.00	11.0	
Toluene*	<0.050	0.050	01/18/2024	ND	2.16	108	2.00	6.37	
Ethylbenzene*	<0.050	0.050	01/18/2024	ND	2.22	111	2.00	8.56	
Total Xylenes*	<0.150	0.150	01/18/2024	ND	6.60	110	6.00	8.99	
Total BTEX	<0.300	0.300	01/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane *91.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 7 (H240220-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2024	ND	2.14	107	2.00	11.0	
Toluene*	<0.050	0.050	01/18/2024	ND	2.16	108	2.00	6.37	
Ethylbenzene*	<0.050	0.050	01/18/2024	ND	2.22	111	2.00	8.56	
Total Xylenes*	<0.150	0.150	01/18/2024	ND	6.60	110	6.00	8.99	
Total BTEX	<0.300	0.300	01/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *93.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 11 (H240220-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *98.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 12 (H240220-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *98.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 13 (H240220-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	193	96.3	200	0.716	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	200	99.9	200	0.392	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 14 (H240220-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	193	96.3	200	0.716	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	200	99.9	200	0.392	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 15 (H240220-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	193	96.3	200	0.716	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	200	99.9	200	0.392	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *98.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.1 %* *49.1-148*

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 104 of 1057

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions	BILL TO	
Project Manager:	Bob Allen	P.O. #:	
Address:	703 East Clinton, PO Box 1613	Company:	Same
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575 397-0510 Fax #: 575 393-4388	Address:	
Project #:	ATK-22-002 Project Owner:	City:	
Project Name:	Harhurst	State: Zip:	
Project Location:		Phone #:	
Sampler Name:	R. Martinez	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH 8015	Chlorides
H240220																		
1	Confirmation Sample	1	G	1			X					X		1-16-24	1030	X	X	X
2	"	2	G	1										1-16-24	1035			
3	"	3	G	1											1080			
4	"	4	G	1											1105			
5	"	7	G	1			X					X		1-16-24	1115	X	X	X
6	"	11	G	1											1210			
7	"	12	G	1											1220			
8	"	13	G	1										1-16-24	1240			
9	"	14	G	1										1-16-24	1300			
10	"	15	G	1			X					X		1-16-24	1320	X	X	X

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Relinquished By:	Date: 1/18/24	Received By:	Phone Result: ☒ Yes ☐ No Add'l Phone #: 575 397 0510
	Time: 1503		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Rush 48 hrs
	Time:		ballen@sesi-nm.com office2@sesi-nm.com
Delivered By: (Circle One)	#140	Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	4.1 c		

R. Martinez @ sesi-nm.com
Able @ sesi-nm.com
Hbayer @ sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 26, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/23/24 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 10 - 10 FT (H240307-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *91.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.0 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 9 - 10 FT (H240307-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *94.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 8 - 8 FT (H240307-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *86.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *71.9 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 4 EW - 10 FT (H240307-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *95.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 5 EW - 10 FT (H240307-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.9 %* *49.1-148*

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions	BILL TO	
Project Manager:	Bob Allen	P.O. #:	
Address:	703 East Clinton, PO Box 1613	Company:	Same
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575 397-0510 Fax #: 575 393-4388	Address:	
Project #:	ATK-22-002 Project Owner: Atkins engin.	City:	
Project Name:	Hay Hurst	State: Zip:	
Project Location:	Malaga	Phone #:	
Sampler Name:	R. Martinez	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH 8015	Chlorides
H240307	~~Confirmation Sample~~	~~G~~															
1	CS 10-10 FT	G	1			X					X		1-22-24	15:50	X	X	X
2	CS 9-10 FT	G	1										1-22-24	1500			
3	CS 8-8 FT	G	1			X					X		1-22-24	1350	X	X	X
4	CS 4 EW-10FT	G	1										1-2224	1330			
5	CS 5 EW-10 FT	G	1			X					X		1-22-24	1430	X	X	X

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Relinquished By:	Date: 1/23/24 Time: 16:24	Received By:	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	2.90c #140	Sample Condition: Cool ☑ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)

Phone Result: ☒ Yes ☐ No Add'l Phone #: 575 397 0510
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

[redacted]

ballen@sesi-nm.com office2@sesi-nm.com
R.martinez@sesi-nm.com
Hable@sesi-nm.com
Hbeyer@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 26, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/23/24 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 1 (H240308-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *90.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 2 (H240308-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *94.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 3 (H240308-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *82.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *67.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 6 (H240308-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *86.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 7 (H240308-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/24/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *88.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.6 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 8 (H240308-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/24/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *90.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 9 (H240308-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/24/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *89.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 10 (H240308-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/24/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *88.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Page 123 of 1057

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions	BILL TO	
Project Manager:	Bob Allen	P.O. #:	
Address:	703 East Clinton, PO Box 1613	Company:	Same
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575 397-0510 Fax #: 575 393-4388	Address:	
Project #:	Atk-22-002 Project Owner: Atkins Engineering	City:	
Project Name:	Haythurst	State: Zip:	
Project Location:	Malaga	Phone #:	
Sampler Name:	R. Martinez	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH 8015	Chlorides
H240308																	
1	EW CS 1	G	1			X					X		1-19-24	0830	X	X	X
2	EW CS 2	G	1										1-19-24	850			
3	EW CS 3	G	1										1-19-24	0915			
4	EW CS 6	G	1										1-19-24	1040			
5	EW CS 7	G	1			X					X		1-19-24	1100			
6	EW CS 8	G	1										1-19-24	1125			
7	EW CS 9	G	1										1-19-24	1145			
8	EW CS 10	G	1			X					X		1-19-24	1200	X	X	X

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Relinquished By:	Date: 1/23/24	Received By:	
	Time: 1615		
Relinquished By:	Date:	Received By:	
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	J.90L #140	Sample Condition: Cool Yes / No; Intact Yes / No	CHECKED BY: (Initials)

Phone Result: ☒ Yes ☐ No Add'l Phone #: 575 397 0510
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

[redacted]

ballen@sesi-nm.com office2@sesi-nm.com
R.Martinez@sesi-nm.com
Hable@sesi-nm.com
Hbayer@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 29, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/24/24 16:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 17 - 6FT (H240329-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.28	114	2.00	7.73	
Toluene*	<0.050	0.050	01/25/2024	ND	2.43	122	2.00	7.69	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.57	129	2.00	7.56	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	7.79	130	6.00	7.68	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/25/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	193	96.4	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *95.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS EW 11 (H240329-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.28	114	2.00	7.73	
Toluene*	<0.050	0.050	01/25/2024	ND	2.43	122	2.00	7.69	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.57	129	2.00	7.56	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	7.79	130	6.00	7.68	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	01/25/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	193	96.4	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS EW 12 (H240329-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/25/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/25/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	193	96.4	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 18 - 6FT (H240329-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/25/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	01/25/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	193	96.4	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *122 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS EW 18 (H240329-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/25/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/25/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	193	96.4	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.6 %* *49.1-148*

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions	BILL TO	
Project Manager:	Bob Allen	P.O. #:	
Address:	703 East Clinton, PO Box 1613	Company:	Same
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575 397-0510 Fax #: 575 393-4388	Address:	
Project #:	ATK-22-002 Project Owner: Atkins Engineering	City:	
Project Name:	Haylurst	State: Zip:	
Project Location:	Malaga	Phone #:	
Sampler Name:	R. Martinez	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH 8015	Chlorides
H240329																	
1	CS 17-GR	G	1			X					X		1-23-24	1400	X	X	X
2	CS EW 11	G	1										1-23-24	1215			
3	CS EW 12	G	1										1-23-24	1230			
4	~~CS 18-GR~~ CS 18-GR	G	1										1-23-24	1430			
5	CS EW 18	G	1			X					X		1-23-24	1445	X	X	X

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Relinquished By:	Date: 1/24/24	Received By:	
	Time: 16:53		
Relinquished By:	Date:	Received By:	
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3.7°C #140	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials)

Phone Result: ☒ Yes ☐ No Add'l Phone #: 575 397 0510
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Rush 24

ballen@sesi-nm.com
R.Martinez@sesi-nm.com
Office2@sesi-nm.com
FCanty@sesi-nm.com
Able@sesi-nm.com
Hbayer@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 30, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/25/24 13:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EXCAVATION 1 WW #1 (H240343-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/26/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/26/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/26/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *86.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 19 - 6 FT (H240343-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/26/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/26/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/26/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *120 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 19 - EW (H240343-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/26/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/26/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/26/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 20 - 6 FT (H240343-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.22	111	2.00	2.26	
Toluene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.44	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	6.82	114	6.00	2.40	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	01/26/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 20 - EW (H240343-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.22	111	2.00	2.26	
Toluene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.44	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	6.82	114	6.00	2.40	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	01/26/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *133 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 21 - SURFACE (H240343-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.22	111	2.00	2.26	
Toluene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.44	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	6.82	114	6.00	2.40	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/26/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *87.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 21 - EW (H240343-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.22	111	2.00	2.26	
Toluene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.44	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	6.82	114	6.00	2.40	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/26/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *55.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *65.2 %* *49.1-148*

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 141 of 1057

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions	BILL TO	
Project Manager:	Bob Allen	P.O. #:	
Address:	703 East Clinton, PO Box 1613	Company:	Same
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575 397-0510 Fax #: 575 393-4388	Address:	
Project #:	ATC-22-002 Project Owner:	City:	
Project Name:	Hayhurst	State: Zip:	
Project Location:	Malaga	Phone #:	
Sampler Name:	R. Martinez	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH 8015	Chlorides
H240343-1	Excavation 1 WW #1	G	1			X					X		1-24-24	0830	X	X	X
2	CS 19-Left	G	1										1-24-24	1120			
3	CS 19-EW	G	1										1-24-24	1100			
4	CS 20-Left	G	1			X					X		1-24-24	1215			
5	CS 20-EW	G	1										1-24-24	1145			
6	CS 21-Surface	G	1										1-24-24	1250			
7	CS 21-EW	G	1			X					X		1-24-24	1230	X	X	X

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Relinquished By:	Date: 1/25/24 Time: 0900	Received By:	
Relinquished By:	Date: 1/25/24 Time: 1317	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	#140 2.7c	Sample Condition Cool: Yes / Intact: Yes	CHECKED BY: (Initials)

Phone Result: ☒ Yes ☐ No Add'l Phone #: 575 397 0510
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

[redacted]

ballen@sesi-nm.com
R.martinez@sesi-nm.com
Hable@sesi-nm.com
Hbayer@sesi-nm.com
office2@sesi-nm.com
Fcantu@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 05, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/31/24 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 2 4' (H240451-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	215	108	200	0.456	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	207	104	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *96.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 22 EW (H240451-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**864**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	215	108	200	0.456	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	207	104	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *98.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 23 4' (H240451-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	215	108	200	0.456	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	207	104	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 23 EW (H240451-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	191	95.3	200	5.96	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	190	94.9	200	6.90	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *89.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.7 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 24 4' (H240451-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	191	95.3	200	5.96	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	190	94.9	200	6.90	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *90.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.2 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 24 EW (H240451-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	191	95.3	200	5.96	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	190	94.9	200	6.90	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *89.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.4 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 25 4' (H240451-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *75.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *70.4 %* *49.1-148*

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 25 EW (H240451-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *82.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.7 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 26 4' (H240451-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *59.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *54.8 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 26 EW (H240451-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *86.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.4 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EXCAVATION 1 CS 1B (H240451-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *98.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.7 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EXCAVATION 1 CS WW 2 (H240451-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *85.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.6 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EXCAVATION 1 CS EW 1 (H240451-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *97.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.4 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EXCAVATION 1 CS EW 2 (H240451-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1360**	16.0	02/01/2024	ND	416	104	400	0.00	QM-07

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

		BILL TO	
Company Name:	Safety and Environmental Solutions	P.O. #:	
Project Manager:	Bob Allen	Company:	Same
Address:	703 East Clinton, PO Box 1613	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	575 397-0510 Fax #: 575 393-4388	City:	
Project #:	ATK-22-002 Project Owner:	State: Zip:	
Project Name:	Hayhurst	Phone #:	
Project Location:		Fax #:	
Sampler Name:	R. Martinez		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH 8015	Chlorides
H240457	~~Confirmation Sample~~																
1	Confirmation Sample 22 4ft	G	1			X					X		1-29-24	0830	X	X	X
2	" " 22 EW	G	1										1-29-24	910			
3	" " 23 4ft	G	1										1-29-24	0935			
4	" " 23 EW	G	1										1-29-24	0950	X		
5	" " 24 4ft	G	1										1-29-24	1020		X	
6	" " 24 EW	G	1										1-29-24	1045			X
7	" " 25 4ft	G	1										1-29-24	1105			
8	" " 25 EW	G	1										1-29-24	1125			
9	" " 26 4ft	G	1										1-29-24	1155			
10	" " 26 EW	G	1			X					X		1-29-24	1230	X	X	X

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Relinquished By:	Date: 1/31/24	Received By:	Phone Result: ☒ Yes ☐ No	Add'l Phone #:	~~575 397 0510~~
	Time: 8:00		Fax Result: ☐ Yes ☐ No	Add'l Fax #:	
Relinquished By:	Date: 1/31/24	Received By:	REMARKS: ~~Rush~~		
	Time: 1645		ballen@sesi-nm.com	office2@sesi-nm.com	
Delivered By: (Circle One)	Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)	R.Martinez@sesi-nm.com		
Sampler - UPS - Bus - Other: 5.8c #140			Hable@sesi-nm.com		
			Hbayer@sesi-nm.com		

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

		BILL TO	
Company Name:	Safety and Environmental Solutions	P.O. #:	
Project Manager:	Bob Allen	Company:	Same
Address:	703 East Clinton, PO Box 1613	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	575 397-0510 Fax #: 575 393-4388	City:	
Project #:	Atk-22-002 Project Owner: Atkins Engineering	State: Zip:	
Project Name:	Hayhurst	Phone #:	
Project Location:	Malaga	Fax #:	
Sampler Name:	R. Martinez		

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	BTEX	TPH 8015	Chlorides
H240451																	
11	Excavation 1 CS 1B	G	1			X					X		1-29-24	1320	X	X	X
12	" " CS WW 2	G	1			X					X		1-29-24	1350	X	X	X
13	" " CS EW 1	G	1			X					X		1-29-24	1400	X	X	X
14	" " CS EW 2	G	1			X					X		1-29-24	1455	X	X	X

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Relinquished By:	Date: 1/31/24	Received By:	Phone Result: ☒ Yes ☐ No	Add'l Phone #:	575 397-0510 BB
Relinquished By:	Time: 8:00	Received By:	Fax Result: ☐ Yes ☐ No	Add'l Fax #:	
Delivered By: (Circle One)	Date: 1/31/24	Sample Condition: Cool Yes/No, Intact Yes/No	CHECKED BY: (Initials)	REMARKS:	
Sampler - UPS - Bus - Other:	Time: 1645			[redacted]	
58: #140				ballen@sesi-nm.com	office2@sesi-nm.com
				R.Martinez@sesi-nm.com	FCantu@sesi-nm.com
				~~Hable@sesi-nm.com~~	
				dbayer@sesi-nm.com	

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 09, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 02/06/24 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 28 WALL 4 (H240561-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	02/07/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *70.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 28 FLOOR 3 (H240561-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *68.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 29 WALL 2 (H240561-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 29 FLOOR 1 (H240561-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 27 FLOOR 1 (H240561-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1550**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *97.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 27 WALL 2 (H240561-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 30 WALL 4 (H240561-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 30 FLOOR 3 (H240561-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *117 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *49.1-148*

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 170 of 1057

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions
Project Manager:	Bob Allen
Address:	703 East Clinton, PO Box 1613
City:	Hobbs State: NM Zip: 88240
Phone #:	575 397-0510 Fax #: 575 393-4388
Project #:	ATK-22-002 Project Owner:
Project Name:	Haynesy
Project Location:	
Sampler Name:	R. Martinez

BILL TO

P.O. #:	
Company:	Same
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX	TPH 8015	Chlorides
H240561	28 Wall 4	G	1			X					X		1/31	2:08	X	X	X
1	28 Floor 3	"	"			"								2:10	"	"	"
2	29 Wall 2	"	"			"								2:15			
3	29 Floor 1	"	"			"								2:18			
4	27 Floor 1	"	"			"								2:20			
5	27 Wall 2	"	"			"								2:21			
6	30 Wall 4	"	"			"								2:24			
7	30 Floor 3	G	1			X					X		1/31	2:24	X	X	X
8																	

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Relinquished By:	Date: 2/6/24	Received By:	
	Time: 1635		
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One) #140
Sampler - UPS - Bus - Other: 3.4°

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) J.D.

Phone Result: ☐ Yes ☑ No Add'l Phone #:
Fax Result: ☐ Yes ☑ No Add'l Fax #:

REMARKS:
Ballen@Sesi-NM.com
RMartinez@Sesi-NM.com
dboyea@sesi-nm.com
office2@Sesi-NM.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 09, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 02/06/24 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 27 NW 4 (H240562-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *118 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *127 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 28 NW 3 (H240562-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 29 NW 2 (H240562-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *98.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 30 NW 1 (H240562-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *91.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.2 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 27 SW 4 (H240562-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 28 SW 3 (H240562-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 29 SW 2 (H240562-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	1.93	96.5	2.00	8.00	
Toluene*	<0.050	0.050	02/07/2024	ND	1.95	97.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	1.93	96.6	2.00	7.92	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	5.82	97.0	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 30 SW 1 (H240562-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	1.93	96.5	2.00	8.00	
Toluene*	<0.050	0.050	02/07/2024	ND	1.95	97.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	1.93	96.6	2.00	7.92	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	5.82	97.0	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 27 FLOOR - 2 FT (H240562-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	1.93	96.5	2.00	8.00	
Toluene*	<0.050	0.050	02/07/2024	ND	1.95	97.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	1.93	96.6	2.00	7.92	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	5.82	97.0	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 28 FLOOR - 2 FT (H240562-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	1.93	96.5	2.00	8.00	
Toluene*	<0.050	0.050	02/07/2024	ND	1.95	97.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	1.93	96.6	2.00	7.92	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	5.82	97.0	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions
Project Manager:	Bob Allen
Address:	703 East Clinton, PO Box 1613
City:	Hobbs State: NM Zip: 88240
Phone #:	575 397-0510 Fax #: 575 393-4388
Project #:	ATK-22-002 Project Owner:
Project Name:	Hayhurst
Project Location:	
Sampler Name:	Fabian Cantu

BILL TO

P.O. #:	
Company:	Same
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX	TPH 8015	Chlorides
H240562																	
1	27 NW 4	G	1			X					X		2-5-24	10:59	X	X	X
2	28 NW 3	G	1			X					X		2-5-24	11:01	X	X	X
3	29 NW 2	G	1			X					X		2-5-24	11:02	X	X	X
4	30 NW 1	G	1			X					X		2-5-24	11:04	X	X	X
5	27 SW 4	G	1			X					X		2-5-24	11:13	X	X	X
6	28 SW 3	G	1			X					X		2-5-24	11:11	X	X	X
7	29 SW 2	G	1			X					X		2-5-24	11:09	X	X	X
8	30 SW 1	G	1			X					X		2-5-24	1:45	X	X	X
9	27 floor -2FT	G	1			X					X		2-5-24	9:55	X	X	X
10	28 floor -2FT	G	1			X					X		2-5-24	10:00	X	X	X

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Relinquished By:	Date: 2-5-24	Received By:	
Fabian Cantu	Time: 6:30PM		
Relinquished By:	Date: 2/6/24	Received By:	
	Time: 1635		
Delivered By: (Circle One)		Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	3.4c	#140	TB

Phone Result: ☐ Yes ☑ No Add'l Phone #:
Fax Result: ☐ Yes ☑ No Add'l Fax #:
REMARKS:
Ballen@sesi-nm.com office2@sesi-nm.com
rmartinez@sesi-nm.com
Hable@sesi-nm.com
Dboyer@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Report to:

Austin Weyant

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	HAYHURST PAD 10
Work Order:	E409091
Job Number:	20071-0001
Received:	9/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/19/24

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: HAYHURST PAD 10
Workorder: E409091
Date Received: 9/13/2024 7:45:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: HAYHURST PAD 10.

The analytical test results summarized in this report with the Project Name: HAYHURST PAD 10 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	09/19/24 11:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S24	E409091-01A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S23	E409091-02A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S22	E409091-03A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S21	E409091-04A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S20	E409091-05A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S19	E409091-06A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S18	E409091-07A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S17	E409091-08A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S16	E409091-09A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S15	E409091-10A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S14	E409091-11A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S13	E409091-12A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S12	E409091-13A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S11	E409091-14A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S10	E409091-15A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S9	E409091-16A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S8	E409091-17A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S7	E409091-18A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S6	E409091-19A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S5	E409091-20A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S4	E409091-21A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S3	E409091-22A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S2	E409091-23A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S1	E409091-24A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S24

E409091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*89.0 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**2680**	100	5	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S23

E409091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*89.5 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**419**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*79.6 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**363**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S21

E409091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*85.8 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**2190**	40.0	2	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**1480**	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S19

E409091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**1880**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S18

E409091-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*84.7 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**4370**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S17

E409091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*86.4 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**2580**	40.0	2	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S16

E409091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*85.6 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**317**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S15

E409091-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*86.8 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**2390**	100	5	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S14

E409091-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*86.9 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**425**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**3180**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*86.7 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**2140**	40.0	2	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*87.8 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**3230**	40.0	2	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*86.0 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**697**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*87.4 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**3290**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*84.6 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	ND	100	5	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*84.0 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*83.4 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*84.1 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437092
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/15/24	
Surrogate: n-Nonane		*91.1 %*	*50-200*	*09/13/24*	*09/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*90.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*90.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437092
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/15/24	
Surrogate: n-Nonane		*88.0 %*	*50-200*	*09/13/24*	*09/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S2

E409091-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*92.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*92.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437092
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/15/24	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*09/13/24*	*09/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S1

E409091-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*92.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*92.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437092
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/15/24	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*09/13/24*	*09/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	20.0	1	09/13/24	09/13/24	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437074-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.457*		*0.500*		*91.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2437074-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	2.16	0.0250	2.50		86.5	70-130			
Ethylbenzene	2.24	0.0250	2.50		89.6	70-130			
Toluene	2.37	0.0250	2.50		94.7	70-130			
o-Xylene	2.35	0.0250	2.50		94.1	70-130			
p,m-Xylene	4.71	0.0500	5.00		94.2	70-130			
Total Xylenes	7.06	0.0250	7.50		94.2	70-130			
Surrogate: Bromofluorobenzene	*0.458*		*0.500*		*91.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
Matrix Spike (2437074-MS1)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	2.14	0.0250	2.50	ND	85.6	48-131			
Ethylbenzene	2.22	0.0250	2.50	ND	88.7	45-135			
Toluene	2.34	0.0250	2.50	ND	93.8	48-130			
o-Xylene	2.36	0.0250	2.50	ND	94.6	43-135			
p,m-Xylene	4.72	0.0500	5.00	ND	94.4	43-135			
Total Xylenes	7.09	0.0250	7.50	ND	94.5	43-135			
Surrogate: Bromofluorobenzene	*0.464*		*0.500*		*92.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			
Matrix Spike Dup (2437074-MSD1)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	2.13	0.0250	2.50	ND	85.1	48-131	0.609	23	
Ethylbenzene	2.21	0.0250	2.50	ND	88.5	45-135	0.271	27	
Toluene	2.31	0.0250	2.50	ND	92.5	48-130	1.33	24	
o-Xylene	2.41	0.0250	2.50	ND	96.5	43-135	1.99	27	
p,m-Xylene	4.79	0.0500	5.00	ND	95.8	43-135	1.41	27	
Total Xylenes	7.20	0.0250	7.50	ND	96.0	43-135	1.60	27	
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437073-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.5*	*70-130*			
LCS (2437073-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.1	70-130			
Toluene	4.87	0.0250	5.00		97.3	70-130			
o-Xylene	4.75	0.0250	5.00		94.9	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.4	0.0250	15.0		96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.07*		*8.00*		*101*	*70-130*			
Matrix Spike (2437073-MS1)				**Source: E409091-09**					Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	4.17	0.0250	5.00	ND	83.5	54-133			
Ethylbenzene	4.01	0.0250	5.00	ND	80.2	61-133			
Toluene	4.10	0.0250	5.00	ND	82.1	61-130			
o-Xylene	4.00	0.0250	5.00	ND	80.1	63-131			
p,m-Xylene	8.18	0.0500	10.0	ND	81.8	63-131			
Total Xylenes	12.2	0.0250	15.0	ND	81.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.9*	*70-130*			
Matrix Spike Dup (2437073-MSD1)				**Source: E409091-09**					Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	4.94	0.0250	5.00	ND	98.8	54-133	16.8	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	61-133	17.0	20	
Toluene	4.86	0.0250	5.00	ND	97.2	61-130	16.9	20	
o-Xylene	4.75	0.0250	5.00	ND	95.0	63-131	17.0	20	
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131	16.9	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.3	63-131	16.9	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.9*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437073-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			
LCS (2437073-BS2)									Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		87.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			
Matrix Spike (2437073-MS2)				**Source: E409091-09**					Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			
Matrix Spike Dup (2437073-MSD2)				**Source: E409091-09**					Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.9	70-130	2.29	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437074-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.457*		*0.500*		*91.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2437074-BS2)									Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.6	70-130			
Surrogate: Bromofluorobenzene	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.4*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
Matrix Spike (2437074-MS2)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130			
Surrogate: Bromofluorobenzene	*0.478*		*0.500*		*95.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.471*		*0.500*		*94.2*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2437074-MSD2)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	4.01	20	
Surrogate: Bromofluorobenzene	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437092-BLK1)									Prepared: 09/13/24 Analyzed: 09/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.9*		*50.0*		*89.8*	*50-200*			
LCS (2437092-BS1)									Prepared: 09/13/24 Analyzed: 09/15/24
Diesel Range Organics (C10-C28)	214	25.0	250		85.7	38-132			
Surrogate: n-Nonane	*46.0*		*50.0*		*92.1*	*50-200*			
Matrix Spike (2437092-MS1)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/15/24
Diesel Range Organics (C10-C28)	213	25.0	250	ND	85.3	38-132			
Surrogate: n-Nonane	*46.7*		*50.0*		*93.4*	*50-200*			
Matrix Spike Dup (2437092-MSD1)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/15/24
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.8	38-132	7.35	20	
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437093-BLK1)									Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.2*		*50.0*		*86.4*	*50-200*			
LCS (2437093-BS1)									Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	176	25.0	250		70.5	38-132			
Surrogate: n-Nonane	*45.4*		*50.0*		*90.8*	*50-200*			
Matrix Spike (2437093-MS1)				**Source: E409091-11**					Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	198	25.0	250	ND	79.4	38-132			
Surrogate: n-Nonane	*45.4*		*50.0*		*90.7*	*50-200*			
Matrix Spike Dup (2437093-MSD1)				**Source: E409091-11**					Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	190	25.0	250	ND	76.1	38-132	4.27	20	
Surrogate: n-Nonane	*45.5*		*50.0*		*91.0*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437094-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437094-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2437094-MS1)				**Source: E409091-01**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	2820	100	250	2680	58.0	80-120			M4
Matrix Spike Dup (2437094-MSD1)				**Source: E409091-01**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	2830	100	250	2680	61.4	80-120	0.306	20	M4

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437096-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437096-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2437096-MS1)				**Source: E409093-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	751	20.0	250	466	114	80-120			
Matrix Spike Dup (2437096-MSD1)				**Source: E409093-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	708	20.0	250	466	96.9	80-120	5.82	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	09/19/24 11:43

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 6/16/2025 9:10:05 AM

Received by OCD: 6/4/2025 9:31:28 AM

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Atkins	Attention:	Lab WO# E409091	Job Number 20071.0001	ID / 2D / 3D / Std: Std = X
Project Name: ~~Bootleg SWD~~ HAYHURST PAD 10	Address:			NM / CO / UT / TX: NM = x
Project Manager: Austin Weyant	City, State, Zip:			
Address: 2904 W 2nd	Phone:			
City, State, Zip: Roswell	Email:			
Phone: 575-626-3993	Miscellaneous:			
Email: sampling@atkinseng.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260 ~~8260~~	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY	Remarks
9/11 JW	10:27	S	1	S24		1	x	x	X	X		x						
10:33	9/11			S23		2	x	x	X	X		x						
10:38	9/11			S22		3	x	x	X	X		x						
10:44	9/11			S21		4	x	x	X	X		x						
10:41	9/11			S20		5	x	x	X	X		x						
10:53	9/11			S~~19~~ JW 19		6	x	x	X	X		x						
10:50	9/11			S18		7	x	x	X	X		x						
10:56	9/11			S17		8	x	x	X	X		x						
11:03	9/11			S16		9	x	x	X	X		x						
11:05	9/11	↓	↓	S15		10	x	x	X	X		x						

EPA Program				
SDWA	CWA	RCRA		
Compliance		Y	or	N
PWSID #				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
Sampled by: JW

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/11/24	14:04	Michelle Gonzales	9.11.24	1707
Michelle Gonzales	9-13-24	0220	[signature]	9/13/24	7:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only
Received on ice: (Y) / N
T1 _____ T2 _____ T3 _____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech

Released to Imaging: 6/16/2025 9:10:05 AM
Received by OCD: 6/4/2025 9:31:28 AM

213

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Atkins	Attention:	Lab WO# E409091	Job Number 20071-0001	1D 2D 3D Std: X	NM CO UT TX: x
Project Name: ~~Bandit SWD~~ HAWKSTEAD SD	Address:			
Project Manager: Austin Weyant	City, State, Zip:			
Address: 2904 W 2nd	Phone:			
City, State, Zip: Roswell	Email:			
Phone: 575-626-3993	Miscellaneous:			
Email: sampling@atkinseng.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY	Remarks
11:12	9/11	S	1	S14		11	x	x	X			x						
11:14	9/11			S13		12	x	x	X			x						
11:17	9/11			S12		13	x	x	X			x						
11:20	9/11			S11		14	x	x	X			x						
11:25	9/11			S10		15	x	x	X			x						
11:28	9/11			S9		16	x	x	X			x						
11:30	9/11			S8		17	x	x	X			x						
11:33	9/11			S7		18	x	x	X			x						
11:35	9/11			S6		19	x	x	X			x						
11:36	9/11	↓	↓	S5		20	x	x	X			x						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/11/24	14:04	Michelle Gonzales	9-11-24	1707
Michelle Gonzales	9-13-24	0220		9/13/24	7:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech

Released to Imaging: 6/16/2025 9:10:05 AM
Received by OCD: 6/4/2025 9:31:28 AM

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Atkins	Attention:	Lab WO# E409091	Job Number 20071-0001	1D 2D 3D Std: X	NM CO UT TX: x
Project Name: Bandit SWD	Address:			
Project Manager: Austin Weyant	City, State, Zip:			
Address: 2904 W 2nd	Phone:			
City, State, Zip: Roswell	Email:			
Phone: 575-626-3993	Miscellaneous:			
Email: sampling@atkinseng.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY	Remarks
11:38	9/11	S	1	S4		21	X	X	X			X						
11:39	9/11	S	1	S3		22	X	X	X			X						
11:42	9/11	S	1	S2		23	X	X	X			X						
11:45	9/11	S	1	S1		24	X	X	X			X						
							X	X	X			X						
							X	X	X			X						
							X	X	X			X						
							X	X	X			X						
							X	X	X			X						
							X	X	X			X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/11/24	14:04	Michelle Gonzales	9-11-24	1707
Michelle Gonzales	9-13-24	0220	Cathy Man	9/13/24	7:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/13/2024 8:59:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	09/13/24 07:45	Work Order ID:	E409091
Phone:	(575) 626-3993	Date Logged In:	09/12/24 12:49	Logged In By:	Caitlin Mars
Email:	austin@atkinseng.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/28/2025 6:49:55 PM

JOB DESCRIPTION

HAYHURST PAD 10
Eddy Co NM

JOB NUMBER

890-7715-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 9:10:05 AM

my EOL

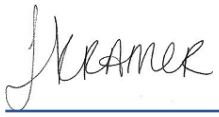
Eurofins Carlsbad

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



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

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Definitions/Glossary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: HAYHURST PAD 10

Job ID: 890-7715-1

Job ID: 890-7715-1 Eurofins Carlsbad

Job Narrative
890-7715-1

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 2/25/2025 9:40 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 0.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S - 26 (890-7715-1), S - 26 (890-7715-2), S - 26 (890-7715-3), S - 26 (890-7715-4), S - 26 (890-7715-5), S - 30 (890-7715-6), S - 30 (890-7715-7), S - 30 (890-7715-8), S - 30 (890-7715-9), S - 30 (890-7715-10), S - 34 (890-7715-11), S - 34 (890-7715-12), S - 34 (890-7715-13), S - 34 (890-7715-14), S - 34 (890-7715-15), S - 47 (890-7715-16), S - 47 (890-7715-17), S - 47 (890-7715-18), S - 47 (890-7715-19), S - 47 (890-7715-20), S - 48 (890-7715-21), S - 48 (890-7715-22), S - 48 (890-7715-23), S - 48 (890-7715-24), S - 48 (890-7715-25), S - 50 (890-7715-26), S - 50 (890-7715-27), S - 50 (890-7715-28), S - 50 (890-7715-29), S - 50 (890-7715-30), S - 51 (890-7715-31), S - 51 (890-7715-32), S - 51 (890-7715-33), S - 51 (890-7715-34), S - 51 (890-7715-35), S - 53 (890-7715-36), S - 53 (890-7715-37), S - 53 (890-7715-38), S - 53 (890-7715-39), S - 53 (890-7715-40), S - 54 (890-7715-41), S - 54 (890-7715-42), S - 54 (890-7715-43), S - 54 (890-7715-44) and S - 54 (890-7715-45).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-103716 and analytical batch 880-103708 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-103716 and analytical batch 880-103708 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S - 50 (890-7715-29), S - 50 (890-7715-30), S - 51 (890-7715-33), S - 53 (890-7715-38) and S - 53 (890-7715-40). 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 880-103706 recovered above the upper control limit for Ethylbenzene, m-Xylene & p-Xylene 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 880-103706/33).

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 matrix spike (MS) recoveries for preparation batch 880-103734 and analytical batch 880-103721 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-103735/2-A) and (LCSD 880-103735/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S - 48 (890-7715-22). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Carmona Resources
Project: HAYHURST PAD 10

Job ID: 890-7715-1

Job ID: 890-7715-1 (Continued) Eurofins Carlsbad

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: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 26

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 0 - 1

Lab Sample ID: 890-7715-1
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		02/26/25 09:07	02/26/25 12:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:07	02/26/25 12:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:07	02/26/25 12:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:07	02/26/25 12:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:07	02/26/25 12:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:07	02/26/25 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*02/26/25 09:07*	*02/26/25 12:03*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/26/25 09:07*	*02/26/25 12:03*	*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			02/26/25 12:03	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			02/26/25 23:22	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		02/26/25 10:36	02/26/25 23:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:36	02/26/25 23:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:36	02/26/25 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*02/26/25 10:36*	*02/26/25 23:22*	*1*
o-Terphenyl	*90*		*70 - 130*	*02/26/25 10:36*	*02/26/25 23:22*	*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			02/27/25 06:02	1

Client Sample ID: S - 26

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

Lab Sample ID: 890-7715-2
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		02/26/25 09:07	02/26/25 12:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:07	02/26/25 12:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:07	02/26/25 12:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:07	02/26/25 12:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:07	02/26/25 12:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:07	02/26/25 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/26/25 09:07*	*02/26/25 12:24*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 26

Lab Sample ID: 890-7715-2
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/26/25 09:07*	*02/26/25 12:24*	*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			02/26/25 12:24	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			02/26/25 21:51	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	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 21:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 21:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*02/26/25 10:40*	*02/26/25 21:51*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/26/25 10:40*	*02/26/25 21:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/27/25 06:08	1

Client Sample ID: S - 26

Lab Sample ID: 890-7715-3
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 09:07	02/26/25 12:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:07	02/26/25 12:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:07	02/26/25 12:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:07	02/26/25 12:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:07	02/26/25 12:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:07	02/26/25 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/26/25 09:07*	*02/26/25 12:44*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/26/25 09:07*	*02/26/25 12:44*	*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			02/26/25 12:44	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			02/26/25 22:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 26

Lab Sample ID: 890-7715-3
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 10:40	02/26/25 22:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 22:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*02/26/25 10:40*	*02/26/25 22:07*	*1*
o-Terphenyl	*88*		*70 - 130*	*02/26/25 10:40*	*02/26/25 22:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.3**		9.96		mg/Kg			02/27/25 06:14	1

Client Sample ID: S - 26

Lab Sample ID: 890-7715-4
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

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		02/26/25 09:08	02/26/25 13:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:08	02/26/25 13:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:08	02/26/25 13:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/26/25 09:08	02/26/25 13:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:08	02/26/25 13:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/26/25 09:08	02/26/25 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/26/25 09:08*	*02/26/25 13:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/26/25 09:08*	*02/26/25 13:05*	*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			02/26/25 13:05	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			02/26/25 22:22	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		02/26/25 10:40	02/26/25 22:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:40	02/26/25 22:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:40	02/26/25 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/26/25 10:40*	*02/26/25 22:22*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/26/25 10:40*	*02/26/25 22:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 26
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

Lab Sample ID: 890-7715-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.2		10.1		mg/Kg			02/27/25 06:20	1

Client Sample ID: S - 26
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4.5

Lab Sample ID: 890-7715-5
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		02/26/25 09:08	02/26/25 13:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 13:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 13:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:08	02/26/25 13:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 13:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:08	02/26/25 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/26/25 09:08*	*02/26/25 13:25*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/26/25 09:08*	*02/26/25 13:25*	*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			02/26/25 13:25	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			02/26/25 22:37	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		02/26/25 10:40	02/26/25 22:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:40	02/26/25 22:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:40	02/26/25 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/26/25 10:40*	*02/26/25 22:37*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/26/25 10:40*	*02/26/25 22:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.1		10.1		mg/Kg			02/27/25 06:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 30

Lab Sample ID: 890-7715-6
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 0 - 1

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		02/26/25 09:08	02/26/25 13:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 13:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 13:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:08	02/26/25 13:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 13:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:08	02/26/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*02/26/25 09:08*	*02/26/25 13:46*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/26/25 09:08*	*02/26/25 13:46*	*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			02/26/25 13:46	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			02/26/25 22:52	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		02/26/25 10:40	02/26/25 22:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:40	02/26/25 22:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:40	02/26/25 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/26/25 10:40*	*02/26/25 22:52*	*1*
o-Terphenyl	*76*		*70 - 130*	*02/26/25 10:40*	*02/26/25 22:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/27/25 06:44	1

Client Sample ID: S - 30

Lab Sample ID: 890-7715-7
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

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		02/26/25 09:08	02/26/25 14:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 14:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 14:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/26/25 09:08	02/26/25 14:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 14:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/26/25 09:08	02/26/25 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/26/25 09:08*	*02/26/25 14:06*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 30

Lab Sample ID: 890-7715-7
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/26/25 09:08*	*02/26/25 14:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/26/25 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	<49.8	U	49.8		mg/Kg			02/26/25 23:07	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		02/26/25 10:40	02/26/25 23:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 23:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:40	02/26/25 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*02/26/25 10:40*	*02/26/25 23:07*	*1*
o-Terphenyl	*71*		*70 - 130*	*02/26/25 10:40*	*02/26/25 23:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.2**		9.96		mg/Kg			02/27/25 06:50	1

Client Sample ID: S - 30

Lab Sample ID: 890-7715-8
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 09:08	02/26/25 14:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 14:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 14:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:08	02/26/25 14:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 14:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:08	02/26/25 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*02/26/25 09:08*	*02/26/25 14:27*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/26/25 09:08*	*02/26/25 14:27*	*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			02/26/25 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	<49.7	U	49.7		mg/Kg			02/26/25 23:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 30

Lab Sample ID: 890-7715-8
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 10:40	02/26/25 23:22	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 10:40	02/26/25 23:22	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 10:40	02/26/25 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/26/25 10:40*	*02/26/25 23:22*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/26/25 10:40*	*02/26/25 23:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.6**		9.98		mg/Kg			02/27/25 07:09	1

Client Sample ID: S - 30

Lab Sample ID: 890-7715-9
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

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		02/26/25 08:49	02/26/25 16:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/26/25 08:49	02/26/25 16:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/26/25 08:49	02/26/25 16:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/26/25 08:49	02/26/25 16:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/26/25 08:49	02/26/25 16:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/26/25 08:49	02/26/25 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/26/25 08:49*	*02/26/25 16:15*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/26/25 08:49*	*02/26/25 16:15*	*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			02/26/25 16:15	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			02/27/25 19:19	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		02/26/25 10:45	02/27/25 19:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/27/25 19:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/27/25 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/26/25 10:45*	*02/27/25 19:19*	*1*
o-Terphenyl	*80*		*70 - 130*	*02/26/25 10:45*	*02/27/25 19:19*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 30

Lab Sample ID: 890-7715-9
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/27/25 07:15	1

Client Sample ID: S - 30

Lab Sample ID: 890-7715-10
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4.5

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		02/26/25 08:49	02/26/25 16:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 16:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 16:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 08:49	02/26/25 16:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 16:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 08:49	02/26/25 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/26/25 08:49*	*02/26/25 16:35*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/26/25 08:49*	*02/26/25 16:35*	*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			02/26/25 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/27/25 20:08	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	<49.6	U	49.6		mg/Kg		02/26/25 10:45	02/27/25 20:08	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/26/25 10:45	02/27/25 20:08	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/26/25 10:45	02/27/25 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/26/25 10:45*	*02/27/25 20:08*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/26/25 10:45*	*02/27/25 20:08*	*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			02/27/25 07:21	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 34

Lab Sample ID: 890-7715-11
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 0 - 1

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		02/26/25 09:08	02/26/25 16:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:08	02/26/25 16:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:08	02/26/25 16:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/26/25 09:08	02/26/25 16:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:08	02/26/25 16:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/26/25 09:08	02/26/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/26/25 09:08*	*02/26/25 16:32*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/26/25 09:08*	*02/26/25 16:32*	*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			02/26/25 16:32	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			02/27/25 20:23	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		02/26/25 10:45	02/27/25 20:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 10:45	02/27/25 20:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 10:45	02/27/25 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*02/26/25 10:45*	*02/27/25 20:23*	*1*
o-Terphenyl	*77*		*70 - 130*	*02/26/25 10:45*	*02/27/25 20:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.2**		9.92		mg/Kg			02/27/25 07:27	1

Client Sample ID: S - 34

Lab Sample ID: 890-7715-12
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

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		02/26/25 09:08	02/26/25 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 16:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:08	02/26/25 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 16:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:08	02/26/25 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/26/25 09:08*	*02/26/25 16:53*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 34

Lab Sample ID: 890-7715-12
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/26/25 09:08*	*02/26/25 16:53*	*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			02/26/25 16:53	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			02/27/25 20:40	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		02/26/25 10:45	02/27/25 20:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 20:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/26/25 10:45*	*02/27/25 20:40*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/26/25 10:45*	*02/27/25 20:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.9**		10.0		mg/Kg			02/27/25 07:33	1

Client Sample ID: S - 34

Lab Sample ID: 890-7715-13
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 09:08	02/26/25 17:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 17:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 17:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:08	02/26/25 17:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 17:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:08	02/26/25 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/26/25 09:08*	*02/26/25 17:13*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/26/25 09:08*	*02/26/25 17:13*	*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			02/26/25 17:13	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			02/27/25 20:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 34

Lab Sample ID: 890-7715-13
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 10:45	02/27/25 20:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 20:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/26/25 10:45*	*02/27/25 20:55*	*1*
o-Terphenyl	*78*		*70 - 130*	*02/26/25 10:45*	*02/27/25 20:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.1**		9.98		mg/Kg			02/27/25 07:39	1

Client Sample ID: S - 34

Lab Sample ID: 890-7715-14
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

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		02/26/25 09:08	02/26/25 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:08	02/26/25 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:08	02/26/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/26/25 09:08*	*02/26/25 17:34*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/26/25 09:08*	*02/26/25 17:34*	*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			02/26/25 17:34	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			02/27/25 21:11	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	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/27/25 21:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/27/25 21:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/27/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*02/26/25 10:45*	*02/27/25 21:11*	*1*
o-Terphenyl	*75*		*70 - 130*	*02/26/25 10:45*	*02/27/25 21:11*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 34
Lab Sample ID: 890-7715-14
Date Collected: 02/24/25 00:00
Matrix: Solid
Date Received: 02/25/25 09:40
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.6		10.0		mg/Kg			02/27/25 07:45	1

Client Sample ID: S - 34
Lab Sample ID: 890-7715-15
Date Collected: 02/24/25 00:00
Matrix: Solid
Date Received: 02/25/25 09:40
Sample Depth: 4.5

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		02/26/25 09:08	02/26/25 17:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/26/25 09:08	02/26/25 17:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/26/25 09:08	02/26/25 17:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/26/25 09:08	02/26/25 17:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/26/25 09:08	02/26/25 17:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/26/25 09:08	02/26/25 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/26/25 09:08*	*02/26/25 17:54*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/26/25 09:08*	*02/26/25 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/26/25 17:54	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			02/27/25 21:27	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		02/26/25 10:45	02/27/25 21:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/27/25 21:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/27/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/26/25 10:45*	*02/27/25 21:27*	*1*
o-Terphenyl	*77*		*70 - 130*	*02/26/25 10:45*	*02/27/25 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.8		10.1		mg/Kg			02/27/25 14:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 47

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 0 - 1

Lab Sample ID: 890-7715-16
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		02/26/25 09:08	02/26/25 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 18:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/26/25 09:08	02/26/25 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 18:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/26/25 09:08	02/26/25 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/26/25 09:08*	*02/26/25 18:15*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/26/25 09:08*	*02/26/25 18:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/26/25 18:15	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			02/27/25 21:43	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		02/26/25 10:45	02/27/25 21:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:45	02/27/25 21:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:45	02/27/25 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*02/26/25 10:45*	*02/27/25 21:43*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/26/25 10:45*	*02/27/25 21:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/27/25 14:38	1

Client Sample ID: S - 47

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

Lab Sample ID: 890-7715-17
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		02/26/25 09:08	02/26/25 18:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 18:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 18:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:08	02/26/25 18:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 18:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:08	02/26/25 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/26/25 09:08*	*02/26/25 18:35*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 47

Lab Sample ID: 890-7715-17
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/26/25 09:08*	*02/26/25 18:35*	*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			02/26/25 18:35	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			02/27/25 21:58	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		02/26/25 10:45	02/27/25 21:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 21:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/26/25 10:45*	*02/27/25 21:58*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/26/25 10:45*	*02/27/25 21:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/27/25 14:45	1

Client Sample ID: S - 47

Lab Sample ID: 890-7715-18
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 09:08	02/26/25 18:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 18:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 18:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:08	02/26/25 18:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 18:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:08	02/26/25 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/26/25 09:08*	*02/26/25 18:56*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/26/25 09:08*	*02/26/25 18:56*	*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			02/26/25 18:56	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			02/27/25 22:14	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 47

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

Lab Sample ID: 890-7715-18
Matrix: Solid

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		02/26/25 10:45	02/27/25 22:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:45	02/27/25 22:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:45	02/27/25 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/26/25 10:45*	*02/27/25 22:14*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/26/25 10:45*	*02/27/25 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.3**		9.96		mg/Kg			02/27/25 14:52	1

Client Sample ID: S - 47

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

Lab Sample ID: 890-7715-19
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		02/26/25 09:08	02/26/25 19:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 19:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 19:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:08	02/26/25 19:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:08	02/26/25 19:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:08	02/26/25 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/26/25 09:08*	*02/26/25 19:16*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/26/25 09:08*	*02/26/25 19:16*	*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			02/26/25 19:16	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			02/27/25 22:46	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		02/26/25 10:45	02/27/25 22:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 22:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/26/25 10:45*	*02/27/25 22:46*	*1*
o-Terphenyl	*80*		*70 - 130*	*02/26/25 10:45*	*02/27/25 22:46*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 47
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

Lab Sample ID: 890-7715-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.0		9.92		mg/Kg			02/27/25 15:00	1

Client Sample ID: S - 47
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4.5

Lab Sample ID: 890-7715-20
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		02/26/25 09:08	02/26/25 19:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 19:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 19:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:08	02/26/25 19:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:08	02/26/25 19:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:08	02/26/25 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/26/25 09:08*	*02/26/25 19:37*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/26/25 09:08*	*02/26/25 19:37*	*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			02/26/25 19:37	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			02/27/25 23:04	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		02/26/25 10:45	02/27/25 23:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/27/25 23:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/27/25 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/26/25 10:45*	*02/27/25 23:04*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/26/25 10:45*	*02/27/25 23:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		10.1		mg/Kg			02/27/25 15:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 48

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 0 - 1

Lab Sample ID: 890-7715-21
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		02/26/25 09:11	02/26/25 12:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 12:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 12:36	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		02/26/25 09:11	02/26/25 12:36	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		02/26/25 09:11	02/26/25 12:36	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		02/26/25 09:11	02/26/25 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/26/25 09:11*	*02/26/25 12:36*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/26/25 09:11*	*02/26/25 12:36*	*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			02/26/25 12:36	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			02/27/25 23:19	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		02/26/25 10:45	02/27/25 23:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 23:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/26/25 10:45*	*02/27/25 23:19*	*1*
o-Terphenyl	*77*		*70 - 130*	*02/26/25 10:45*	*02/27/25 23:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.5**		9.96		mg/Kg			02/27/25 15:29	1

Client Sample ID: S - 48

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

Lab Sample ID: 890-7715-22
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		02/26/25 09:11	02/26/25 12:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 12:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 12:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 12:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 12:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*02/26/25 09:11*	*02/26/25 12:57*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 48

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

Lab Sample ID: 890-7715-22

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/26/25 09:11*	*02/26/25 12:57*	*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			02/26/25 12:57	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			02/28/25 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	<49.9	U	49.9		mg/Kg		02/28/25 13:54	02/28/25 14:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/28/25 13:54	02/28/25 14:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/28/25 13:54	02/28/25 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*243*	*S1+*	*70 - 130*	*02/28/25 13:54*	*02/28/25 14:50*	*1*
o-Terphenyl	*215*	*S1+*	*70 - 130*	*02/28/25 13:54*	*02/28/25 14:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.7**		9.94		mg/Kg			02/27/25 15:37	1

Client Sample ID: S - 48

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

Lab Sample ID: 890-7715-23

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		02/26/25 09:11	02/26/25 13:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 13:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 13:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 13:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 13:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/26/25 09:11*	*02/26/25 13:17*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/26/25 09:11*	*02/26/25 13:17*	*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			02/26/25 13:17	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			02/27/25 23:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 48

Lab Sample ID: 890-7715-23
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 10:45	02/27/25 23:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 23:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/27/25 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*02/26/25 10:45*	*02/27/25 23:51*	*1*
o-Terphenyl	*80*		*70 - 130*	*02/26/25 10:45*	*02/27/25 23:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.8**		9.98		mg/Kg			02/27/25 15:44	1

Client Sample ID: S - 48

Lab Sample ID: 890-7715-24
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

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		02/26/25 09:11	02/26/25 13:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:11	02/26/25 13:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:11	02/26/25 13:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/26/25 09:11	02/26/25 13:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:11	02/26/25 13:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/26/25 09:11	02/26/25 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*02/26/25 09:11*	*02/26/25 13:38*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/26/25 09:11*	*02/26/25 13:38*	*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			02/26/25 13:38	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			02/28/25 00:08	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	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/28/25 00:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/28/25 00:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:45	02/28/25 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*02/26/25 10:45*	*02/28/25 00:08*	*1*
o-Terphenyl	*80*		*70 - 130*	*02/26/25 10:45*	*02/28/25 00:08*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 48
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

Lab Sample ID: 890-7715-24
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.7		10.0		mg/Kg			02/27/25 15:51	1

Client Sample ID: S - 48
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4.5

Lab Sample ID: 890-7715-25
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		02/26/25 09:11	02/26/25 13:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 13:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 13:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 13:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 13:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*02/26/25 09:11*	*02/26/25 13:58*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/26/25 09:11*	*02/26/25 13:58*	*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			02/26/25 13:58	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			02/28/25 00:24	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		02/26/25 10:45	02/28/25 00:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:45	02/28/25 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:45	02/28/25 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/26/25 10:45*	*02/28/25 00:24*	*1*
o-Terphenyl	*78*		*70 - 130*	*02/26/25 10:45*	*02/28/25 00:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.1		9.96		mg/Kg			02/27/25 15:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 50

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 0 - 1

Lab Sample ID: 890-7715-26
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		02/26/25 09:11	02/26/25 14:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 14:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 14:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 14:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 14:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*02/26/25 09:11*	*02/26/25 14:19*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/26/25 09:11*	*02/26/25 14:19*	*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			02/26/25 14:19	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			02/28/25 00:40	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		02/26/25 10:45	02/28/25 00:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/28/25 00:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/28/25 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*02/26/25 10:45*	*02/28/25 00:40*	*1*
o-Terphenyl	*75*		*70 - 130*	*02/26/25 10:45*	*02/28/25 00:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.2**		9.92		mg/Kg			02/27/25 16:21	1

Client Sample ID: S - 50

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

Lab Sample ID: 890-7715-27
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		02/26/25 09:11	02/26/25 14:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 14:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 14:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/26/25 09:11	02/26/25 14:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 14:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/26/25 09:11	02/26/25 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/26/25 09:11*	*02/26/25 14:39*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 50

Lab Sample ID: 890-7715-27
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/26/25 09:11*	*02/26/25 14:39*	*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			02/26/25 14:39	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			02/28/25 00:56	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		02/26/25 10:45	02/28/25 00:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/28/25 00:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:45	02/28/25 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*02/26/25 10:45*	*02/28/25 00:56*	*1*
o-Terphenyl	*74*		*70 - 130*	*02/26/25 10:45*	*02/28/25 00:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/27/25 16:28	1

Client Sample ID: S - 50

Lab Sample ID: 890-7715-28
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 09:11	02/26/25 15:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 15:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 15:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 15:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 15:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/26/25 09:11*	*02/26/25 15:00*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/26/25 09:11*	*02/26/25 15:00*	*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			02/26/25 15:00	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			02/28/25 01:12	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 50

Lab Sample ID: 890-7715-28
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 10:45	02/28/25 01:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 10:45	02/28/25 01:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 10:45	02/28/25 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/26/25 10:45*	*02/28/25 01:12*	*1*
o-Terphenyl	*85*		*70 - 130*	*02/26/25 10:45*	*02/28/25 01:12*	*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			02/27/25 16:51	1

Client Sample ID: S - 50

Lab Sample ID: 890-7715-29
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

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		02/26/25 09:11	02/26/25 15:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 15:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 15:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 15:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 15:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*02/26/25 09:11*	*02/26/25 15:20*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/26/25 09:11*	*02/26/25 15:20*	*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			02/26/25 15:20	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			02/26/25 17:50	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	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 17:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 17:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*02/26/25 10:47*	*02/26/25 17:50*	*1*
o-Terphenyl	*88*		*70 - 130*	*02/26/25 10:47*	*02/26/25 17:50*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 50

Lab Sample ID: 890-7715-29
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/27/25 17:20	1

Client Sample ID: S - 50

Lab Sample ID: 890-7715-30
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/26/25 09:11	02/26/25 15:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/26/25 09:11	02/26/25 15:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/26/25 09:11	02/26/25 15:41	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/26/25 09:11	02/26/25 15:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/26/25 09:11	02/26/25 15:41	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/26/25 09:11	02/26/25 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*02/26/25 09:11*	*02/26/25 15:41*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/26/25 09:11*	*02/26/25 15:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/26/25 15:41	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			02/26/25 18:40	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		02/26/25 10:47	02/26/25 18:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 18:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*02/26/25 10:47*	*02/26/25 18:40*	*1*
o-Terphenyl	*89*		*70 - 130*	*02/26/25 10:47*	*02/26/25 18:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/27/25 17:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 51

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 0 - 1

Lab Sample ID: 890-7715-31
Matrix: Solid

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		02/26/25 09:11	02/26/25 17:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:11	02/26/25 17:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:11	02/26/25 17:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/26/25 09:11	02/26/25 17:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/26/25 09:11	02/26/25 17:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/26/25 09:11	02/26/25 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/26/25 09:11*	*02/26/25 17:31*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/26/25 09:11*	*02/26/25 17:31*	*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			02/26/25 17:31	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			02/26/25 18:56	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		02/26/25 10:47	02/26/25 18:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 18:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/26/25 10:47*	*02/26/25 18:56*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/26/25 10:47*	*02/26/25 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.7**		10.1		mg/Kg			02/27/25 17:43	1

Client Sample ID: S - 51

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

Lab Sample ID: 890-7715-32
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		02/26/25 09:11	02/26/25 17:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 17:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 17:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 17:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 17:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/26/25 09:11*	*02/26/25 17:51*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 51

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

Lab Sample ID: 890-7715-32

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/26/25 09:11*	*02/26/25 17:51*	*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			02/26/25 17:51	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			02/26/25 19:12	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		02/26/25 10:47	02/26/25 19:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:47	02/26/25 19:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:47	02/26/25 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/26/25 10:47*	*02/26/25 19:12*	*1*
o-Terphenyl	*99*		*70 - 130*	*02/26/25 10:47*	*02/26/25 19:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		10.1		mg/Kg			02/27/25 17:51	1

Client Sample ID: S - 51

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

Lab Sample ID: 890-7715-33

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		02/26/25 09:11	02/26/25 18:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 18:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 18:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 18:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 18:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/26/25 09:11*	*02/26/25 18:12*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/26/25 09:11*	*02/26/25 18:12*	*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			02/26/25 18:12	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			02/26/25 19:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 51

Lab Sample ID: 890-7715-33
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 10:47	02/26/25 19:29	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 10:47	02/26/25 19:29	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 10:47	02/26/25 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/26/25 10:47*	*02/26/25 19:29*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/26/25 10:47*	*02/26/25 19:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.0**		9.92		mg/Kg			02/27/25 17:58	1

Client Sample ID: S - 51

Lab Sample ID: 890-7715-34
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

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		02/26/25 09:11	02/26/25 18:32	1
Toluene	**0.00406**		0.00199		mg/Kg		02/26/25 09:11	02/26/25 18:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 18:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 18:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 18:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*02/26/25 09:11*	*02/26/25 18:32*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/26/25 09:11*	*02/26/25 18:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00406**		0.00398		mg/Kg			02/26/25 18:32	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			02/26/25 19:45	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		02/26/25 10:47	02/26/25 19:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:47	02/26/25 19:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:47	02/26/25 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*02/26/25 10:47*	*02/26/25 19:45*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/26/25 10:47*	*02/26/25 19:45*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 51

Lab Sample ID: 890-7715-34
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.1		10.0		mg/Kg			02/27/25 18:53	1

Client Sample ID: S - 51

Lab Sample ID: 890-7715-35
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4.5

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		02/26/25 09:11	02/26/25 18:53	1
Toluene	0.0162		0.00198		mg/Kg		02/26/25 09:11	02/26/25 18:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/26/25 09:11	02/26/25 18:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/26/25 09:11	02/26/25 18:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/26/25 09:11	02/26/25 18:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/26/25 09:11	02/26/25 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/26/25 09:11*	*02/26/25 18:53*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/26/25 09:11*	*02/26/25 18:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0162		0.00396		mg/Kg			02/26/25 18:53	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			02/26/25 20:03	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		02/26/25 10:47	02/26/25 20:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 20:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/26/25 10:47*	*02/26/25 20:03*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/26/25 10:47*	*02/26/25 20:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.1		9.94		mg/Kg			02/26/25 22:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 53

Lab Sample ID: 890-7715-36
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 0 - 1

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		02/26/25 09:11	02/26/25 19:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 19:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 19:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/26/25 09:11	02/26/25 19:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 19:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/26/25 09:11	02/26/25 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*02/26/25 09:11*	*02/26/25 19:13*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/26/25 09:11*	*02/26/25 19:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/26/25 19:13	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			02/26/25 20:18	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		02/26/25 10:47	02/26/25 20:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 20:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/26/25 10:47*	*02/26/25 20:18*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/26/25 10:47*	*02/26/25 20:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.0**		9.92		mg/Kg			02/26/25 22:28	1

Client Sample ID: S - 53

Lab Sample ID: 890-7715-37
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

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		02/26/25 09:11	02/26/25 19:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 19:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 19:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 19:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 19:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/26/25 09:11*	*02/26/25 19:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 53

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

Lab Sample ID: 890-7715-37

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/26/25 09:11*	*02/26/25 19:34*	*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			02/26/25 19:34	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			02/26/25 20:36	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		02/26/25 10:47	02/26/25 20:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 20:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*02/26/25 10:47*	*02/26/25 20:36*	*1*
o-Terphenyl	*96*		*70 - 130*	*02/26/25 10:47*	*02/26/25 20:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.7**		9.94		mg/Kg			02/26/25 22:34	1

Client Sample ID: S - 53

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

Lab Sample ID: 890-7715-38

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		02/26/25 09:11	02/26/25 19:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 19:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 19:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 19:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 19:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*02/26/25 09:11*	*02/26/25 19:54*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/26/25 09:11*	*02/26/25 19:54*	*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			02/26/25 19:54	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			02/26/25 20:52	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 53

Lab Sample ID: 890-7715-38
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 10:47	02/26/25 20:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 20:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*02/26/25 10:47*	*02/26/25 20:52*	*1*
o-Terphenyl	*97*		*70 - 130*	*02/26/25 10:47*	*02/26/25 20:52*	*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			02/26/25 22:40	1

Client Sample ID: S - 53

Lab Sample ID: 890-7715-39
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

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		02/26/25 09:11	02/26/25 20:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 20:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 20:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 20:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 09:11	02/26/25 20:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 09:11	02/26/25 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*02/26/25 09:11*	*02/26/25 20:14*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/26/25 09:11*	*02/26/25 20:14*	*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			02/26/25 20:14	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			02/26/25 21:24	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		02/26/25 10:47	02/26/25 21:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 21:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*02/26/25 10:47*	*02/26/25 21:24*	*1*
o-Terphenyl	*98*		*70 - 130*	*02/26/25 10:47*	*02/26/25 21:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 53

Lab Sample ID: 890-7715-39
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

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			02/26/25 22:46	1

Client Sample ID: S - 53

Lab Sample ID: 890-7715-40
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4.5

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		02/26/25 09:11	02/26/25 20:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 20:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 20:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 20:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 20:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 09:11	02/26/25 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*02/26/25 09:11*	*02/26/25 20:35*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/26/25 09:11*	*02/26/25 20:35*	*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			02/26/25 20:35	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			02/26/25 21:41	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		02/26/25 10:47	02/26/25 21:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 21:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/26/25 10:47*	*02/26/25 21:41*	*1*
o-Terphenyl	*99*		*70 - 130*	*02/26/25 10:47*	*02/26/25 21:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/26/25 23:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 54

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 0 - 1

Lab Sample ID: 890-7715-41
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		02/26/25 08:49	02/26/25 15:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 15:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 15:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 08:49	02/26/25 15:13	1
o-Xylene	**0.00249**		0.00200		mg/Kg		02/26/25 08:49	02/26/25 15:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 08:49	02/26/25 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/26/25 08:49*	*02/26/25 15:13*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/26/25 08:49*	*02/26/25 15:13*	*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			02/26/25 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/26/25 21:57	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		02/26/25 10:47	02/26/25 21:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 21:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*02/26/25 10:47*	*02/26/25 21:57*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/26/25 10:47*	*02/26/25 21:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.9**		10.1		mg/Kg			02/26/25 23:11	1

Client Sample ID: S - 54

Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

Lab Sample ID: 890-7715-42
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		02/26/25 08:49	02/26/25 15:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 15:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 15:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 08:49	02/26/25 15:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 15:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 08:49	02/26/25 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/26/25 08:49*	*02/26/25 15:34*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 54

Lab Sample ID: 890-7715-42
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/26/25 08:49*	*02/26/25 15:34*	*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			02/26/25 15:34	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			02/26/25 22:13	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		02/26/25 10:47	02/26/25 22:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 22:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/26/25 10:47*	*02/26/25 22:13*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/26/25 10:47*	*02/26/25 22:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/26/25 23:17	1

Client Sample ID: S - 54

Lab Sample ID: 890-7715-43
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/26/25 08:49	02/26/25 15:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/26/25 08:49	02/26/25 15:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/26/25 08:49	02/26/25 15:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/26/25 08:49	02/26/25 15:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/26/25 08:49	02/26/25 15:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/26/25 08:49	02/26/25 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/26/25 08:49*	*02/26/25 15:54*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/26/25 08:49*	*02/26/25 15:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/26/25 15:54	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			02/26/25 22:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 54

Lab Sample ID: 890-7715-43
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 3

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		02/26/25 10:47	02/26/25 22:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 22:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 10:47	02/26/25 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/26/25 10:47*	*02/26/25 22:28*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/26/25 10:47*	*02/26/25 22:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/26/25 23:23	1

Client Sample ID: S - 54

Lab Sample ID: 890-7715-44
Matrix: Solid
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

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		02/26/25 08:49	02/26/25 18:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/26/25 08:49	02/26/25 18:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/26/25 08:49	02/26/25 18:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/26/25 08:49	02/26/25 18:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/26/25 08:49	02/26/25 18:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/26/25 08:49	02/26/25 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/26/25 08:49*	*02/26/25 18:39*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/26/25 08:49*	*02/26/25 18:39*	*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			02/26/25 18:39	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			02/26/25 22:45	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		02/26/25 10:47	02/26/25 22:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:47	02/26/25 22:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:47	02/26/25 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/26/25 10:47*	*02/26/25 22:45*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/26/25 10:47*	*02/26/25 22:45*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 54
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4

Lab Sample ID: 890-7715-44
Matrix: Solid

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			02/26/25 23:29	1

Client Sample ID: S - 54
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40
Sample Depth: 4.5

Lab Sample ID: 890-7715-45
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		02/26/25 08:49	02/26/25 19:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 19:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 19:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 08:49	02/26/25 19:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 19:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 08:49	02/26/25 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/26/25 08:49*	*02/26/25 19:00*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/26/25 08:49*	*02/26/25 19:00*	*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			02/26/25 19:00	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			02/26/25 23:01	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		02/26/25 10:47	02/26/25 23:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 23:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 10:47	02/26/25 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*02/26/25 10:47*	*02/26/25 23:01*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/26/25 10:47*	*02/26/25 23:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/26/25 23:35	1

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co 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)										
890-7715-1	S - 26	91	91										
890-7715-1 MS	S - 26	96	115										
890-7715-1 MSD	S - 26	115	98										
890-7715-2	S - 26	97	88										
890-7715-3	S - 26	98	89										
890-7715-4	S - 26	105	93										
890-7715-5	S - 26	102	89										
890-7715-6	S - 30	95	79										
890-7715-7	S - 30	94	84										
890-7715-8	S - 30	93	81										
890-7715-9	S - 30	110	95										
890-7715-10	S - 30	111	96										
890-7715-11	S - 34	92	91										
890-7715-12	S - 34	104	87										
890-7715-13	S - 34	98	79										
890-7715-14	S - 34	98	81										
890-7715-15	S - 34	99	79										
890-7715-16	S - 47	96	80										
890-7715-17	S - 47	102	79										
890-7715-18	S - 47	97	86										
890-7715-19	S - 47	96	84										
890-7715-20	S - 47	100	84										
890-7715-21	S - 48	101	98										
890-7715-21 MS	S - 48	161 S1+	113										
890-7715-21 MSD	S - 48	115	108										
890-7715-22	S - 48	125	111										
890-7715-23	S - 48	124	108										
890-7715-24	S - 48	122	101										
890-7715-25	S - 48	129	104										
890-7715-26	S - 50	125	100										
890-7715-27	S - 50	124	103										
890-7715-28	S - 50	120	101										
890-7715-29	S - 50	139 S1+	103										
890-7715-30	S - 50	130	108										
890-7715-31	S - 51	102	100										
890-7715-32	S - 51	126	110										
890-7715-33	S - 51	131 S1+	107										
890-7715-34	S - 51	122	109										
890-7715-35	S - 51	116	101										
890-7715-36	S - 53	123	106										
890-7715-37	S - 53	113	103										
890-7715-38	S - 53	140 S1+	111										
890-7715-39	S - 53	130	104										
890-7715-40	S - 53	133 S1+	105										
890-7715-41	S - 54	113	95										
890-7715-42	S - 54	109	95										
890-7715-43	S - 54	111	94										
890-7715-44	S - 54	111	91										
890-7715-45	S - 54	111	94										

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
890-7723-A-1-E MS	Matrix Spike	92	101
890-7723-A-1-F MSD	Matrix Spike Duplicate	95	101
LCS 880-103712/1-A	Lab Control Sample	96	103
LCS 880-103715/1-A	Lab Control Sample	105	102
LCS 880-103716/1-A	Lab Control Sample	107	106
LCSD 880-103712/2-A	Lab Control Sample Dup	93	102
LCSD 880-103715/2-A	Lab Control Sample Dup	102	93
LCSD 880-103716/2-A	Lab Control Sample Dup	108	97
MB 880-103712/5-A	Method Blank	107	90
MB 880-103715/5-A	Method Blank	88	95
MB 880-103716/5-A	Method Blank	214 S1+	124

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-54883-A-1-B MS	Matrix Spike	86	81
880-54883-A-1-C MSD	Matrix Spike Duplicate	86	80
880-54884-A-8-B MS	Matrix Spike	86	77
880-54884-A-8-C MSD	Matrix Spike Duplicate	87	78
890-7715-1	S - 26	95	90
890-7715-2	S - 26	85	79
890-7715-3	S - 26	94	88
890-7715-4	S - 26	92	86
890-7715-5	S - 26	84	79
890-7715-6	S - 30	82	76
890-7715-7	S - 30	76	71
890-7715-8	S - 30	90	84
890-7715-9	S - 30	84	80
890-7715-9 MS	S - 30	87	77
890-7715-9 MSD	S - 30	75	77
890-7715-10	S - 30	86	81
890-7715-11	S - 34	83	77
890-7715-12	S - 34	91	86
890-7715-13	S - 34	82	78
890-7715-14	S - 34	80	75
890-7715-15	S - 34	82	77
890-7715-16	S - 47	88	82
890-7715-17	S - 47	87	81
890-7715-18	S - 47	86	81
890-7715-19	S - 47	86	80
890-7715-20	S - 47	91	84
890-7715-21	S - 48	82	77
890-7715-22	S - 48	243 S1+	215 S1+
890-7715-23	S - 48	85	80

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-7715-24	S - 48	88	80								
890-7715-25	S - 48	84	78								
890-7715-26	S - 50	81	75								
890-7715-27	S - 50	78	74								
890-7715-28	S - 50	91	85								
890-7715-29	S - 50	100	88								
890-7715-29 MS	S - 50	88	83								
890-7715-29 MSD	S - 50	100	90								
890-7715-30	S - 50	104	89								
890-7715-31	S - 51	112	101								
890-7715-32	S - 51	108	99								
890-7715-33	S - 51	112	102								
890-7715-34	S - 51	116	102								
890-7715-35	S - 51	115	102								
890-7715-36	S - 53	115	102								
890-7715-37	S - 53	113	96								
890-7715-38	S - 53	116	97								
890-7715-39	S - 53	113	98								
890-7715-40	S - 53	115	99								
890-7715-41	S - 54	116	105								
890-7715-42	S - 54	115	101								
890-7715-43	S - 54	117	100								
890-7715-44	S - 54	117	101								
890-7715-45	S - 54	126	107								
890-7729-A-1-B MS	Matrix Spike	97	118								
890-7729-A-1-C MSD	Matrix Spike Duplicate	98	118								
LCS 880-103733/2-A	Lab Control Sample	91	82								
LCS 880-103734/2-A	Lab Control Sample	87	76								
LCS 880-103735/2-A	Lab Control Sample	64 S1-	67 S1-								
LCS 880-103736/2-A	Lab Control Sample	80	77								
LCS 880-103892/2-A	Lab Control Sample	102	90								
LCSD 880-103733/3-A	Lab Control Sample Dup	92	81								
LCSD 880-103734/3-A	Lab Control Sample Dup	87	76								
LCSD 880-103735/3-A	Lab Control Sample Dup	65 S1-	68 S1-								
LCSD 880-103736/3-A	Lab Control Sample Dup	82	78								
LCSD 880-103892/3-A	Lab Control Sample Dup	99	88								
MB 880-103733/1-A	Method Blank	95	86								
MB 880-103734/1-A	Method Blank	88	79								
MB 880-103735/1-A	Method Blank	116	108								
MB 880-103736/1-A	Method Blank	108	101								
MB 880-103892/1-A	Method Blank	106	95								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-103712/5-A
Matrix: Solid
Analysis Batch: 103700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 13:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 13:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 13:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/26/25 08:49	02/26/25 13:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 08:49	02/26/25 13:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/26/25 08:49	02/26/25 13:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/26/25 08:49*	*02/26/25 13:50*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/26/25 08:49*	*02/26/25 13:50*	*1*

Lab Sample ID: LCS 880-103712/1-A
Matrix: Solid
Analysis Batch: 103700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103712

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1072		mg/Kg		107	70 - 130		
Toluene			0.100	0.1087		mg/Kg		109	70 - 130		
Ethylbenzene			0.100	0.09797		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.2014		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.1010		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-103712/2-A
Matrix: Solid
Analysis Batch: 103700

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103712

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1033		mg/Kg		103	70 - 130	4	35
Toluene			0.100	0.1027		mg/Kg		103	70 - 130	6	35
Ethylbenzene			0.100	0.09274		mg/Kg		93	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1908		mg/Kg		95	70 - 130	5	35
o-Xylene			0.100	0.09594		mg/Kg		96	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-7723-A-1-E MS
Matrix: Solid
Analysis Batch: 103700

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.08725		mg/Kg		87	70 - 130		
Toluene	<0.00199	U	0.100	0.08512		mg/Kg		85	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: 890-7723-A-1-E MS
Matrix: Solid
Analysis Batch: 103700

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.07323		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1478		mg/Kg		74	70 - 130
o-Xylene	<0.00199	U	0.100	0.07384		mg/Kg		74	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-7723-A-1-F MSD
Matrix: Solid
Analysis Batch: 103700

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103712

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	0.09384		mg/Kg		94	70 - 130	7	35
Toluene	<0.00199	U	0.100	0.09226		mg/Kg		92	70 - 130	8	35
Ethylbenzene	<0.00199	U	0.100	0.07956		mg/Kg		80	70 - 130	8	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1615		mg/Kg		81	70 - 130	9	35
o-Xylene	<0.00199	U	0.100	0.08147		mg/Kg		81	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-103715/5-A
Matrix: Solid
Analysis Batch: 103706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:07	02/26/25 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:07	02/26/25 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:07	02/26/25 11:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/26/25 09:07	02/26/25 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:07	02/26/25 11:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/26/25 09:07	02/26/25 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*02/26/25 09:07*	*02/26/25 11:41*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/26/25 09:07*	*02/26/25 11:41*	*1*

Lab Sample ID: LCS 880-103715/1-A
Matrix: Solid
Analysis Batch: 103706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1010		mg/Kg		101	70 - 130
Toluene	0.100	0.09407		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1069		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2150		mg/Kg		107	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-103715/1-A
Matrix: Solid
Analysis Batch: 103706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103715

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1072		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-103715/2-A
Matrix: Solid
Analysis Batch: 103706

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103715

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1020		mg/Kg		102	70 - 130	1	35
Toluene			0.100	0.09621		mg/Kg		96	70 - 130	2	35
Ethylbenzene			0.100	0.1053		mg/Kg		105	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2115		mg/Kg		106	70 - 130	2	35
o-Xylene			0.100	0.1051		mg/Kg		105	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-7715-1 MS
Matrix: Solid
Analysis Batch: 103706

Client Sample ID: S - 26
Prep Type: Total/NA
Prep Batch: 103715

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.1017		mg/Kg		102	70 - 130		
Toluene	<0.00199	U	0.100	0.09100		mg/Kg		91	70 - 130		
Ethylbenzene	<0.00199	U	0.100	0.09687		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1947		mg/Kg		97	70 - 130		
o-Xylene	<0.00199	U	0.100	0.09563		mg/Kg		96	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 890-7715-1 MSD
Matrix: Solid
Analysis Batch: 103706

Client Sample ID: S - 26
Prep Type: Total/NA
Prep Batch: 103715

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	0.1155		mg/Kg		116	70 - 130	13	35
Toluene	<0.00199	U	0.100	0.09010		mg/Kg		90	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.100	0.1197		mg/Kg		120	70 - 130	21	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2341		mg/Kg		117	70 - 130	18	35
o-Xylene	<0.00199	U	0.100	0.1152		mg/Kg		115	70 - 130	19	35

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: 890-7715-1 MSD
Matrix: Solid
Analysis Batch: 103706

Client Sample ID: S - 26
Prep Type: Total/NA
Prep Batch: 103715

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-103716/5-A
Matrix: Solid
Analysis Batch: 103708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 12:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/26/25 09:11	02/26/25 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 12:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/26/25 09:11	02/26/25 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	214	S1+	70 - 130	02/26/25 09:11	02/26/25 12:08	1
1,4-Difluorobenzene (Surr)	124		70 - 130	02/26/25 09:11	02/26/25 12:08	1

Lab Sample ID: LCS 880-103716/1-A
Matrix: Solid
Analysis Batch: 103708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103716

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1006		mg/Kg		101	70 - 130		
Toluene			0.100	0.09903		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.1021		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.1937		mg/Kg		97	70 - 130		
o-Xylene			0.100	0.09986		mg/Kg		100	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-103716/2-A
Matrix: Solid
Analysis Batch: 103708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103716

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09501		mg/Kg		95	70 - 130	6	35
Toluene			0.100	0.09722		mg/Kg		97	70 - 130	2	35
Ethylbenzene			0.100	0.09941		mg/Kg		99	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1957		mg/Kg		98	70 - 130	1	35
o-Xylene			0.100	0.08544		mg/Kg		85	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: LCSD 880-103716/2-A
Matrix: Solid
Analysis Batch: 103708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103716

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

Lab Sample ID: 890-7715-21 MS
Matrix: Solid
Analysis Batch: 103708

Client Sample ID: S - 48
Prep Type: Total/NA
Prep Batch: 103716

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1152		mg/Kg		115	70 - 130
Toluene	<0.00199	U	0.100	0.07924		mg/Kg		79	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.08881		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.2905	F1	mg/Kg		145	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.1457	F1	mg/Kg		146	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 890-7715-21 MSD
Matrix: Solid
Analysis Batch: 103708

Client Sample ID: S - 48
Prep Type: Total/NA
Prep Batch: 103716

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	0.1084		mg/Kg		108	70 - 130	6	35
Toluene	<0.00199	U	0.100	0.1041		mg/Kg		104	70 - 130	27	35
Ethylbenzene	<0.00199	U	0.100	0.1064		mg/Kg		106	70 - 130	18	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.2049		mg/Kg		102	70 - 130	35	35
o-Xylene	<0.00199	U F1	0.100	0.1049		mg/Kg		105	70 - 130	33	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

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

Lab Sample ID: MB 880-103733/1-A
Matrix: Solid
Analysis Batch: 103718

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103733

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		02/26/25 10:36	02/26/25 16:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:36	02/26/25 16:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:36	02/26/25 16:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	02/26/25 10:36	02/26/25 16:59	1
o-Terphenyl	86		70 - 130	02/26/25 10:36	02/26/25 16:59	1

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-103733/2-A
Matrix: Solid
Analysis Batch: 103718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103733

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1038		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	909.4		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: LCSD 880-103733/3-A
Matrix: Solid
Analysis Batch: 103718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103733

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1051		mg/Kg		105	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	936.3		mg/Kg		94	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: 880-54883-A-1-B MS
Matrix: Solid
Analysis Batch: 103718

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103733

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	855.8		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	783.1		mg/Kg		79	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: 880-54883-A-1-C MSD
Matrix: Solid
Analysis Batch: 103718

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103733

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	864.3		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	785.5		mg/Kg		79	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-54883-A-1-C MSD
Matrix: Solid
Analysis Batch: 103718

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103733

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	80		70 - 130

Lab Sample ID: MB 880-103734/1-A
Matrix: Solid
Analysis Batch: 103721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103734

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		02/26/25 10:39	02/26/25 16:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:39	02/26/25 16:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:39	02/26/25 16:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	02/26/25 10:39	02/26/25 16:59	1
o-Terphenyl	79		70 - 130	02/26/25 10:39	02/26/25 16:59	1

Lab Sample ID: LCS 880-103734/2-A
Matrix: Solid
Analysis Batch: 103721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103734

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	960.4		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	946.6		mg/Kg		95	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: LCSD 880-103734/3-A
Matrix: Solid
Analysis Batch: 103721

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103734

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	959.1		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	917.1		mg/Kg		92	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	76		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-54884-A-8-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103721 — **Prep Batch: 103734**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	687.8	F1	mg/Kg		69	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	753.9		mg/Kg		76	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: 880-54884-A-8-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103721 — **Prep Batch: 103734**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	807.7		mg/Kg		81	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	771.8		mg/Kg		77	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: MB 880-103735/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103818 — **Prep Batch: 103735**

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		02/26/25 10:39	02/27/25 18:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:39	02/27/25 18:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:39	02/27/25 18:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*02/26/25 10:39*	*02/27/25 18:31*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/26/25 10:39*	*02/27/25 18:31*	*1*

Lab Sample ID: LCS 880-103735/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103818 — **Prep Batch: 103735**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	821.3		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	782.7		mg/Kg		78	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-103735/2-A
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103735

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	64	S1-	70 - 130
o-Terphenyl	67	S1-	70 - 130

Lab Sample ID: LCSD 880-103735/3-A
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103735

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	850.4		mg/Kg		85	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	818.2		mg/Kg		82	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	65	S1-	70 - 130
o-Terphenyl	68	S1-	70 - 130

Lab Sample ID: 890-7715-9 MS
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: S - 30
Prep Type: Total/NA
Prep Batch: 103735

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	782.6		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	766.0		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: 890-7715-9 MSD
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: S - 30
Prep Type: Total/NA
Prep Batch: 103735

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	807.8		mg/Kg		81	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	804.1		mg/Kg		80	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	77		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-103736/1-A
Matrix: Solid
Analysis Batch: 103726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103736

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		02/26/25 10:40	02/26/25 16:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 10:40	02/26/25 16:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 10:40	02/26/25 16:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/26/25 10:40*	*02/26/25 16:59*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/26/25 10:40*	*02/26/25 16:59*	*1*

Lab Sample ID: LCS 880-103736/2-A
Matrix: Solid
Analysis Batch: 103726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103736

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	856.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	796.1		mg/Kg		80	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*80*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: LCSD 880-103736/3-A
Matrix: Solid
Analysis Batch: 103726

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103736

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	878.3		mg/Kg		88	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	842.6		mg/Kg		84	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: 890-7715-29 MS
Matrix: Solid
Analysis Batch: 103726

Client Sample ID: S - 50
Prep Type: Total/NA
Prep Batch: 103736

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	844.0		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	856.6		mg/Kg		86	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: 890-7715-29 MS
Matrix: Solid
Analysis Batch: 103726

Client Sample ID: S - 50
Prep Type: Total/NA
Prep Batch: 103736

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: 890-7715-29 MSD
Matrix: Solid
Analysis Batch: 103726

Client Sample ID: S - 50
Prep Type: Total/NA
Prep Batch: 103736

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	962.8		mg/Kg		97	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	924.8		mg/Kg		93	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: MB 880-103892/1-A
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103892

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		02/27/25 14:55	02/28/25 07:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 14:55	02/28/25 07:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 14:55	02/28/25 07:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	02/27/25 14:55	02/28/25 07:35	1
o-Terphenyl	95		70 - 130	02/27/25 14:55	02/28/25 07:35	1

Lab Sample ID: LCS 880-103892/2-A
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1255		mg/Kg		126	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1169		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	90		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

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

Lab Sample ID: LCSD 880-103892/3-A
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103892

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1230		mg/Kg		123	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1085		mg/Kg		108	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 890-7729-A-1-B MS
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103892

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	790.0		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	1700		998	2698		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Lab Sample ID: 890-7729-A-1-C MSD
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103892

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	794.9		mg/Kg		80	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1700		998	2791		mg/Kg		110	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-103698/1-A
Matrix: Solid
Analysis Batch: 103745

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			02/27/25 04:52	1

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-103698/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103745

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.3		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-103698/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103745

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	249.7		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-7715-5 MS — **Client Sample ID: S - 26**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103745

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	47.1		252	311.8		mg/Kg		105	90 - 110		

Lab Sample ID: 890-7715-5 MSD — **Client Sample ID: S - 26**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103745

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	47.1		252	312.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: MB 880-103699/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103749

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/27/25 13:53	1

Lab Sample ID: LCS 880-103699/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103749

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	263.4		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-103699/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103749

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	272.6		mg/Kg		109	90 - 110	3	20

Lab Sample ID: 890-7715-15 MS — **Client Sample ID: S - 34**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103749

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	28.8		252	298.5		mg/Kg		107	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-7715-15 MSD
Matrix: Solid
Analysis Batch: 103749

Client Sample ID: S - 34
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	28.8		252	293.8		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 890-7715-25 MS
Matrix: Solid
Analysis Batch: 103749

Client Sample ID: S - 48
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	18.1		249	283.6		mg/Kg		107	90 - 110

Lab Sample ID: 890-7715-25 MSD
Matrix: Solid
Analysis Batch: 103749

Client Sample ID: S - 48
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	18.1		249	282.8		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-103702/1-A
Matrix: Solid
Analysis Batch: 103752

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			02/26/25 21:52	1

Lab Sample ID: LCS 880-103702/2-A
Matrix: Solid
Analysis Batch: 103752

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-103702/3-A
Matrix: Solid
Analysis Batch: 103752

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.6		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-7715-35 MS
Matrix: Solid
Analysis Batch: 103752

Client Sample ID: S - 51
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	16.1		249	255.0		mg/Kg		96	90 - 110

Lab Sample ID: 890-7715-35 MSD
Matrix: Solid
Analysis Batch: 103752

Client Sample ID: S - 51
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	16.1		249	256.4		mg/Kg		97	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-7715-45 MS
Matrix: Solid
Analysis Batch: 103752

Client Sample ID: S - 54
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.98	U	250	241.3		mg/Kg		95	90 - 110

Lab Sample ID: 890-7715-45 MSD
Matrix: Solid
Analysis Batch: 103752

Client Sample ID: S - 54
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.98	U	250	241.8		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

GC VOA

Analysis Batch: 103700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-9	S - 30	Total/NA	Solid	8021B	103712
890-7715-10	S - 30	Total/NA	Solid	8021B	103712
890-7715-41	S - 54	Total/NA	Solid	8021B	103712
890-7715-42	S - 54	Total/NA	Solid	8021B	103712
890-7715-43	S - 54	Total/NA	Solid	8021B	103712
890-7715-44	S - 54	Total/NA	Solid	8021B	103712
890-7715-45	S - 54	Total/NA	Solid	8021B	103712
MB 880-103712/5-A	Method Blank	Total/NA	Solid	8021B	103712
LCS 880-103712/1-A	Lab Control Sample	Total/NA	Solid	8021B	103712
LCSD 880-103712/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103712
890-7723-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	103712
890-7723-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	103712

Analysis Batch: 103706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-1	S - 26	Total/NA	Solid	8021B	103715
890-7715-2	S - 26	Total/NA	Solid	8021B	103715
890-7715-3	S - 26	Total/NA	Solid	8021B	103715
890-7715-4	S - 26	Total/NA	Solid	8021B	103715
890-7715-5	S - 26	Total/NA	Solid	8021B	103715
890-7715-6	S - 30	Total/NA	Solid	8021B	103715
890-7715-7	S - 30	Total/NA	Solid	8021B	103715
890-7715-8	S - 30	Total/NA	Solid	8021B	103715
890-7715-11	S - 34	Total/NA	Solid	8021B	103715
890-7715-12	S - 34	Total/NA	Solid	8021B	103715
890-7715-13	S - 34	Total/NA	Solid	8021B	103715
890-7715-14	S - 34	Total/NA	Solid	8021B	103715
890-7715-15	S - 34	Total/NA	Solid	8021B	103715
890-7715-16	S - 47	Total/NA	Solid	8021B	103715
890-7715-17	S - 47	Total/NA	Solid	8021B	103715
890-7715-18	S - 47	Total/NA	Solid	8021B	103715
890-7715-19	S - 47	Total/NA	Solid	8021B	103715
890-7715-20	S - 47	Total/NA	Solid	8021B	103715
MB 880-103715/5-A	Method Blank	Total/NA	Solid	8021B	103715
LCS 880-103715/1-A	Lab Control Sample	Total/NA	Solid	8021B	103715
LCSD 880-103715/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103715
890-7715-1 MS	S - 26	Total/NA	Solid	8021B	103715
890-7715-1 MSD	S - 26	Total/NA	Solid	8021B	103715

Analysis Batch: 103708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-21	S - 48	Total/NA	Solid	8021B	103716
890-7715-22	S - 48	Total/NA	Solid	8021B	103716
890-7715-23	S - 48	Total/NA	Solid	8021B	103716
890-7715-24	S - 48	Total/NA	Solid	8021B	103716
890-7715-25	S - 48	Total/NA	Solid	8021B	103716
890-7715-26	S - 50	Total/NA	Solid	8021B	103716
890-7715-27	S - 50	Total/NA	Solid	8021B	103716
890-7715-28	S - 50	Total/NA	Solid	8021B	103716
890-7715-29	S - 50	Total/NA	Solid	8021B	103716
890-7715-30	S - 50	Total/NA	Solid	8021B	103716

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

GC VOA (Continued)

Analysis Batch: 103708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-31	S - 51	Total/NA	Solid	8021B	103716
890-7715-32	S - 51	Total/NA	Solid	8021B	103716
890-7715-33	S - 51	Total/NA	Solid	8021B	103716
890-7715-34	S - 51	Total/NA	Solid	8021B	103716
890-7715-35	S - 51	Total/NA	Solid	8021B	103716
890-7715-36	S - 53	Total/NA	Solid	8021B	103716
890-7715-37	S - 53	Total/NA	Solid	8021B	103716
890-7715-38	S - 53	Total/NA	Solid	8021B	103716
890-7715-39	S - 53	Total/NA	Solid	8021B	103716
890-7715-40	S - 53	Total/NA	Solid	8021B	103716
MB 880-103716/5-A	Method Blank	Total/NA	Solid	8021B	103716
LCS 880-103716/1-A	Lab Control Sample	Total/NA	Solid	8021B	103716
LCSD 880-103716/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103716
890-7715-21 MS	S - 48	Total/NA	Solid	8021B	103716
890-7715-21 MSD	S - 48	Total/NA	Solid	8021B	103716

Prep Batch: 103712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-9	S - 30	Total/NA	Solid	5035	
890-7715-10	S - 30	Total/NA	Solid	5035	
890-7715-41	S - 54	Total/NA	Solid	5035	
890-7715-42	S - 54	Total/NA	Solid	5035	
890-7715-43	S - 54	Total/NA	Solid	5035	
890-7715-44	S - 54	Total/NA	Solid	5035	
890-7715-45	S - 54	Total/NA	Solid	5035	
MB 880-103712/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103712/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103712/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7723-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-7723-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 103715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-1	S - 26	Total/NA	Solid	5035	
890-7715-2	S - 26	Total/NA	Solid	5035	
890-7715-3	S - 26	Total/NA	Solid	5035	
890-7715-4	S - 26	Total/NA	Solid	5035	
890-7715-5	S - 26	Total/NA	Solid	5035	
890-7715-6	S - 30	Total/NA	Solid	5035	
890-7715-7	S - 30	Total/NA	Solid	5035	
890-7715-8	S - 30	Total/NA	Solid	5035	
890-7715-11	S - 34	Total/NA	Solid	5035	
890-7715-12	S - 34	Total/NA	Solid	5035	
890-7715-13	S - 34	Total/NA	Solid	5035	
890-7715-14	S - 34	Total/NA	Solid	5035	
890-7715-15	S - 34	Total/NA	Solid	5035	
890-7715-16	S - 47	Total/NA	Solid	5035	
890-7715-17	S - 47	Total/NA	Solid	5035	
890-7715-18	S - 47	Total/NA	Solid	5035	
890-7715-19	S - 47	Total/NA	Solid	5035	
890-7715-20	S - 47	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

GC VOA (Continued)

Prep Batch: 103715 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-103715/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103715/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103715/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7715-1 MS	S - 26	Total/NA	Solid	5035	
890-7715-1 MSD	S - 26	Total/NA	Solid	5035	

Prep Batch: 103716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-21	S - 48	Total/NA	Solid	5035	
890-7715-22	S - 48	Total/NA	Solid	5035	
890-7715-23	S - 48	Total/NA	Solid	5035	
890-7715-24	S - 48	Total/NA	Solid	5035	
890-7715-25	S - 48	Total/NA	Solid	5035	
890-7715-26	S - 50	Total/NA	Solid	5035	
890-7715-27	S - 50	Total/NA	Solid	5035	
890-7715-28	S - 50	Total/NA	Solid	5035	
890-7715-29	S - 50	Total/NA	Solid	5035	
890-7715-30	S - 50	Total/NA	Solid	5035	
890-7715-31	S - 51	Total/NA	Solid	5035	
890-7715-32	S - 51	Total/NA	Solid	5035	
890-7715-33	S - 51	Total/NA	Solid	5035	
890-7715-34	S - 51	Total/NA	Solid	5035	
890-7715-35	S - 51	Total/NA	Solid	5035	
890-7715-36	S - 53	Total/NA	Solid	5035	
890-7715-37	S - 53	Total/NA	Solid	5035	
890-7715-38	S - 53	Total/NA	Solid	5035	
890-7715-39	S - 53	Total/NA	Solid	5035	
890-7715-40	S - 53	Total/NA	Solid	5035	
MB 880-103716/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103716/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103716/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7715-21 MS	S - 48	Total/NA	Solid	5035	
890-7715-21 MSD	S - 48	Total/NA	Solid	5035	

Analysis Batch: 103772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-1	S - 26	Total/NA	Solid	Total BTEX	
890-7715-2	S - 26	Total/NA	Solid	Total BTEX	
890-7715-3	S - 26	Total/NA	Solid	Total BTEX	
890-7715-4	S - 26	Total/NA	Solid	Total BTEX	
890-7715-5	S - 26	Total/NA	Solid	Total BTEX	
890-7715-6	S - 30	Total/NA	Solid	Total BTEX	
890-7715-7	S - 30	Total/NA	Solid	Total BTEX	
890-7715-8	S - 30	Total/NA	Solid	Total BTEX	
890-7715-9	S - 30	Total/NA	Solid	Total BTEX	
890-7715-10	S - 30	Total/NA	Solid	Total BTEX	
890-7715-11	S - 34	Total/NA	Solid	Total BTEX	
890-7715-12	S - 34	Total/NA	Solid	Total BTEX	
890-7715-13	S - 34	Total/NA	Solid	Total BTEX	
890-7715-14	S - 34	Total/NA	Solid	Total BTEX	
890-7715-15	S - 34	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
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Job ID: 890-7715-1
SDG: Eddy Co NM

GC VOA (Continued)

Analysis Batch: 103772 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-16	S - 47	Total/NA	Solid	Total BTEX	
890-7715-17	S - 47	Total/NA	Solid	Total BTEX	
890-7715-18	S - 47	Total/NA	Solid	Total BTEX	
890-7715-19	S - 47	Total/NA	Solid	Total BTEX	
890-7715-20	S - 47	Total/NA	Solid	Total BTEX	
890-7715-21	S - 48	Total/NA	Solid	Total BTEX	
890-7715-22	S - 48	Total/NA	Solid	Total BTEX	
890-7715-23	S - 48	Total/NA	Solid	Total BTEX	
890-7715-24	S - 48	Total/NA	Solid	Total BTEX	
890-7715-25	S - 48	Total/NA	Solid	Total BTEX	
890-7715-26	S - 50	Total/NA	Solid	Total BTEX	
890-7715-27	S - 50	Total/NA	Solid	Total BTEX	
890-7715-28	S - 50	Total/NA	Solid	Total BTEX	
890-7715-29	S - 50	Total/NA	Solid	Total BTEX	
890-7715-30	S - 50	Total/NA	Solid	Total BTEX	
890-7715-31	S - 51	Total/NA	Solid	Total BTEX	
890-7715-32	S - 51	Total/NA	Solid	Total BTEX	
890-7715-33	S - 51	Total/NA	Solid	Total BTEX	
890-7715-34	S - 51	Total/NA	Solid	Total BTEX	
890-7715-35	S - 51	Total/NA	Solid	Total BTEX	
890-7715-36	S - 53	Total/NA	Solid	Total BTEX	
890-7715-37	S - 53	Total/NA	Solid	Total BTEX	
890-7715-38	S - 53	Total/NA	Solid	Total BTEX	
890-7715-39	S - 53	Total/NA	Solid	Total BTEX	
890-7715-40	S - 53	Total/NA	Solid	Total BTEX	
890-7715-41	S - 54	Total/NA	Solid	Total BTEX	
890-7715-42	S - 54	Total/NA	Solid	Total BTEX	
890-7715-43	S - 54	Total/NA	Solid	Total BTEX	
890-7715-44	S - 54	Total/NA	Solid	Total BTEX	
890-7715-45	S - 54	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 103718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-1	S - 26	Total/NA	Solid	8015B NM	103733
MB 880-103733/1-A	Method Blank	Total/NA	Solid	8015B NM	103733
LCS 880-103733/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103733
LCSD 880-103733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103733
880-54883-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	103733
880-54883-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	103733

Analysis Batch: 103721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-2	S - 26	Total/NA	Solid	8015B NM	103734
890-7715-3	S - 26	Total/NA	Solid	8015B NM	103734
890-7715-4	S - 26	Total/NA	Solid	8015B NM	103734
890-7715-5	S - 26	Total/NA	Solid	8015B NM	103734
890-7715-6	S - 30	Total/NA	Solid	8015B NM	103734
890-7715-7	S - 30	Total/NA	Solid	8015B NM	103734
890-7715-8	S - 30	Total/NA	Solid	8015B NM	103734

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Client: Carmona Resources
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Job ID: 890-7715-1
SDG: Eddy Co NM

GC Semi VOA (Continued)

Analysis Batch: 103721 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-103734/1-A	Method Blank	Total/NA	Solid	8015B NM	103734
LCS 880-103734/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103734
LCSD 880-103734/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103734
880-54884-A-8-B MS	Matrix Spike	Total/NA	Solid	8015B NM	103734
880-54884-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	103734

Analysis Batch: 103726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-29	S - 50	Total/NA	Solid	8015B NM	103736
890-7715-30	S - 50	Total/NA	Solid	8015B NM	103736
890-7715-31	S - 51	Total/NA	Solid	8015B NM	103736
890-7715-32	S - 51	Total/NA	Solid	8015B NM	103736
890-7715-33	S - 51	Total/NA	Solid	8015B NM	103736
890-7715-34	S - 51	Total/NA	Solid	8015B NM	103736
890-7715-35	S - 51	Total/NA	Solid	8015B NM	103736
890-7715-36	S - 53	Total/NA	Solid	8015B NM	103736
890-7715-37	S - 53	Total/NA	Solid	8015B NM	103736
890-7715-38	S - 53	Total/NA	Solid	8015B NM	103736
890-7715-39	S - 53	Total/NA	Solid	8015B NM	103736
890-7715-40	S - 53	Total/NA	Solid	8015B NM	103736
890-7715-41	S - 54	Total/NA	Solid	8015B NM	103736
890-7715-42	S - 54	Total/NA	Solid	8015B NM	103736
890-7715-43	S - 54	Total/NA	Solid	8015B NM	103736
890-7715-44	S - 54	Total/NA	Solid	8015B NM	103736
890-7715-45	S - 54	Total/NA	Solid	8015B NM	103736
MB 880-103736/1-A	Method Blank	Total/NA	Solid	8015B NM	103736
LCS 880-103736/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103736
LCSD 880-103736/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103736
890-7715-29 MS	S - 50	Total/NA	Solid	8015B NM	103736
890-7715-29 MSD	S - 50	Total/NA	Solid	8015B NM	103736

Prep Batch: 103733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-1	S - 26	Total/NA	Solid	8015NM Prep	
MB 880-103733/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103733/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54883-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54883-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 103734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-2	S - 26	Total/NA	Solid	8015NM Prep	
890-7715-3	S - 26	Total/NA	Solid	8015NM Prep	
890-7715-4	S - 26	Total/NA	Solid	8015NM Prep	
890-7715-5	S - 26	Total/NA	Solid	8015NM Prep	
890-7715-6	S - 30	Total/NA	Solid	8015NM Prep	
890-7715-7	S - 30	Total/NA	Solid	8015NM Prep	
890-7715-8	S - 30	Total/NA	Solid	8015NM Prep	
MB 880-103734/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103734/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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Client: Carmona Resources
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Job ID: 890-7715-1
SDG: Eddy Co NM

GC Semi VOA (Continued)

Prep Batch: 103734 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-103734/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54884-A-8-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54884-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 103735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-9	S - 30	Total/NA	Solid	8015NM Prep	
890-7715-10	S - 30	Total/NA	Solid	8015NM Prep	
890-7715-11	S - 34	Total/NA	Solid	8015NM Prep	
890-7715-12	S - 34	Total/NA	Solid	8015NM Prep	
890-7715-13	S - 34	Total/NA	Solid	8015NM Prep	
890-7715-14	S - 34	Total/NA	Solid	8015NM Prep	
890-7715-15	S - 34	Total/NA	Solid	8015NM Prep	
890-7715-16	S - 47	Total/NA	Solid	8015NM Prep	
890-7715-17	S - 47	Total/NA	Solid	8015NM Prep	
890-7715-18	S - 47	Total/NA	Solid	8015NM Prep	
890-7715-19	S - 47	Total/NA	Solid	8015NM Prep	
890-7715-20	S - 47	Total/NA	Solid	8015NM Prep	
890-7715-21	S - 48	Total/NA	Solid	8015NM Prep	
890-7715-23	S - 48	Total/NA	Solid	8015NM Prep	
890-7715-24	S - 48	Total/NA	Solid	8015NM Prep	
890-7715-25	S - 48	Total/NA	Solid	8015NM Prep	
890-7715-26	S - 50	Total/NA	Solid	8015NM Prep	
890-7715-27	S - 50	Total/NA	Solid	8015NM Prep	
890-7715-28	S - 50	Total/NA	Solid	8015NM Prep	
MB 880-103735/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103735/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103735/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7715-9 MS	S - 30	Total/NA	Solid	8015NM Prep	
890-7715-9 MSD	S - 30	Total/NA	Solid	8015NM Prep	

Prep Batch: 103736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-29	S - 50	Total/NA	Solid	8015NM Prep	
890-7715-30	S - 50	Total/NA	Solid	8015NM Prep	
890-7715-31	S - 51	Total/NA	Solid	8015NM Prep	
890-7715-32	S - 51	Total/NA	Solid	8015NM Prep	
890-7715-33	S - 51	Total/NA	Solid	8015NM Prep	
890-7715-34	S - 51	Total/NA	Solid	8015NM Prep	
890-7715-35	S - 51	Total/NA	Solid	8015NM Prep	
890-7715-36	S - 53	Total/NA	Solid	8015NM Prep	
890-7715-37	S - 53	Total/NA	Solid	8015NM Prep	
890-7715-38	S - 53	Total/NA	Solid	8015NM Prep	
890-7715-39	S - 53	Total/NA	Solid	8015NM Prep	
890-7715-40	S - 53	Total/NA	Solid	8015NM Prep	
890-7715-41	S - 54	Total/NA	Solid	8015NM Prep	
890-7715-42	S - 54	Total/NA	Solid	8015NM Prep	
890-7715-43	S - 54	Total/NA	Solid	8015NM Prep	
890-7715-44	S - 54	Total/NA	Solid	8015NM Prep	
890-7715-45	S - 54	Total/NA	Solid	8015NM Prep	
MB 880-103736/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
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Job ID: 890-7715-1
SDG: Eddy Co NM

GC Semi VOA (Continued)

Prep Batch: 103736 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-103736/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103736/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7715-29 MS	S - 50	Total/NA	Solid	8015NM Prep	
890-7715-29 MSD	S - 50	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-9	S - 30	Total/NA	Solid	8015B NM	103735
890-7715-10	S - 30	Total/NA	Solid	8015B NM	103735
890-7715-11	S - 34	Total/NA	Solid	8015B NM	103735
890-7715-12	S - 34	Total/NA	Solid	8015B NM	103735
890-7715-13	S - 34	Total/NA	Solid	8015B NM	103735
890-7715-14	S - 34	Total/NA	Solid	8015B NM	103735
890-7715-15	S - 34	Total/NA	Solid	8015B NM	103735
890-7715-16	S - 47	Total/NA	Solid	8015B NM	103735
890-7715-17	S - 47	Total/NA	Solid	8015B NM	103735
890-7715-18	S - 47	Total/NA	Solid	8015B NM	103735
890-7715-19	S - 47	Total/NA	Solid	8015B NM	103735
890-7715-20	S - 47	Total/NA	Solid	8015B NM	103735
890-7715-21	S - 48	Total/NA	Solid	8015B NM	103735
890-7715-23	S - 48	Total/NA	Solid	8015B NM	103735
890-7715-24	S - 48	Total/NA	Solid	8015B NM	103735
890-7715-25	S - 48	Total/NA	Solid	8015B NM	103735
890-7715-26	S - 50	Total/NA	Solid	8015B NM	103735
890-7715-27	S - 50	Total/NA	Solid	8015B NM	103735
890-7715-28	S - 50	Total/NA	Solid	8015B NM	103735
MB 880-103735/1-A	Method Blank	Total/NA	Solid	8015B NM	103735
LCS 880-103735/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103735
LCSD 880-103735/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103735
890-7715-9 MS	S - 30	Total/NA	Solid	8015B NM	103735
890-7715-9 MSD	S - 30	Total/NA	Solid	8015B NM	103735

Analysis Batch: 103827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-1	S - 26	Total/NA	Solid	8015 NM	
890-7715-2	S - 26	Total/NA	Solid	8015 NM	
890-7715-3	S - 26	Total/NA	Solid	8015 NM	
890-7715-4	S - 26	Total/NA	Solid	8015 NM	
890-7715-5	S - 26	Total/NA	Solid	8015 NM	
890-7715-6	S - 30	Total/NA	Solid	8015 NM	
890-7715-7	S - 30	Total/NA	Solid	8015 NM	
890-7715-8	S - 30	Total/NA	Solid	8015 NM	
890-7715-9	S - 30	Total/NA	Solid	8015 NM	
890-7715-10	S - 30	Total/NA	Solid	8015 NM	
890-7715-11	S - 34	Total/NA	Solid	8015 NM	
890-7715-12	S - 34	Total/NA	Solid	8015 NM	
890-7715-13	S - 34	Total/NA	Solid	8015 NM	
890-7715-14	S - 34	Total/NA	Solid	8015 NM	
890-7715-15	S - 34	Total/NA	Solid	8015 NM	
890-7715-16	S - 47	Total/NA	Solid	8015 NM	
890-7715-17	S - 47	Total/NA	Solid	8015 NM	

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SDG: Eddy Co NM

GC Semi VOA (Continued)

Analysis Batch: 103827 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-18	S - 47	Total/NA	Solid	8015 NM	
890-7715-19	S - 47	Total/NA	Solid	8015 NM	
890-7715-20	S - 47	Total/NA	Solid	8015 NM	
890-7715-21	S - 48	Total/NA	Solid	8015 NM	
890-7715-22	S - 48	Total/NA	Solid	8015 NM	
890-7715-23	S - 48	Total/NA	Solid	8015 NM	
890-7715-24	S - 48	Total/NA	Solid	8015 NM	
890-7715-25	S - 48	Total/NA	Solid	8015 NM	
890-7715-26	S - 50	Total/NA	Solid	8015 NM	
890-7715-27	S - 50	Total/NA	Solid	8015 NM	
890-7715-28	S - 50	Total/NA	Solid	8015 NM	
890-7715-29	S - 50	Total/NA	Solid	8015 NM	
890-7715-30	S - 50	Total/NA	Solid	8015 NM	
890-7715-31	S - 51	Total/NA	Solid	8015 NM	
890-7715-32	S - 51	Total/NA	Solid	8015 NM	
890-7715-33	S - 51	Total/NA	Solid	8015 NM	
890-7715-34	S - 51	Total/NA	Solid	8015 NM	
890-7715-35	S - 51	Total/NA	Solid	8015 NM	
890-7715-36	S - 53	Total/NA	Solid	8015 NM	
890-7715-37	S - 53	Total/NA	Solid	8015 NM	
890-7715-38	S - 53	Total/NA	Solid	8015 NM	
890-7715-39	S - 53	Total/NA	Solid	8015 NM	
890-7715-40	S - 53	Total/NA	Solid	8015 NM	
890-7715-41	S - 54	Total/NA	Solid	8015 NM	
890-7715-42	S - 54	Total/NA	Solid	8015 NM	
890-7715-43	S - 54	Total/NA	Solid	8015 NM	
890-7715-44	S - 54	Total/NA	Solid	8015 NM	
890-7715-45	S - 54	Total/NA	Solid	8015 NM	

Prep Batch: 103892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-22	S - 48	Total/NA	Solid	8015NM Prep	
MB 880-103892/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103892/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103892/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7729-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7729-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-22	S - 48	Total/NA	Solid	8015B NM	103892
MB 880-103892/1-A	Method Blank	Total/NA	Solid	8015B NM	103892
LCS 880-103892/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103892
LCSD 880-103892/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103892
890-7729-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	103892
890-7729-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	103892

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

HPLC/IC

Leach Batch: 103698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-1	S - 26	Soluble	Solid	DI Leach	
890-7715-2	S - 26	Soluble	Solid	DI Leach	
890-7715-3	S - 26	Soluble	Solid	DI Leach	
890-7715-4	S - 26	Soluble	Solid	DI Leach	
890-7715-5	S - 26	Soluble	Solid	DI Leach	
890-7715-6	S - 30	Soluble	Solid	DI Leach	
890-7715-7	S - 30	Soluble	Solid	DI Leach	
890-7715-8	S - 30	Soluble	Solid	DI Leach	
890-7715-9	S - 30	Soluble	Solid	DI Leach	
890-7715-10	S - 30	Soluble	Solid	DI Leach	
890-7715-11	S - 34	Soluble	Solid	DI Leach	
890-7715-12	S - 34	Soluble	Solid	DI Leach	
890-7715-13	S - 34	Soluble	Solid	DI Leach	
890-7715-14	S - 34	Soluble	Solid	DI Leach	
MB 880-103698/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103698/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103698/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7715-5 MS	S - 26	Soluble	Solid	DI Leach	
890-7715-5 MSD	S - 26	Soluble	Solid	DI Leach	

Leach Batch: 103699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-15	S - 34	Soluble	Solid	DI Leach	
890-7715-16	S - 47	Soluble	Solid	DI Leach	
890-7715-17	S - 47	Soluble	Solid	DI Leach	
890-7715-18	S - 47	Soluble	Solid	DI Leach	
890-7715-19	S - 47	Soluble	Solid	DI Leach	
890-7715-20	S - 47	Soluble	Solid	DI Leach	
890-7715-21	S - 48	Soluble	Solid	DI Leach	
890-7715-22	S - 48	Soluble	Solid	DI Leach	
890-7715-23	S - 48	Soluble	Solid	DI Leach	
890-7715-24	S - 48	Soluble	Solid	DI Leach	
890-7715-25	S - 48	Soluble	Solid	DI Leach	
890-7715-26	S - 50	Soluble	Solid	DI Leach	
890-7715-27	S - 50	Soluble	Solid	DI Leach	
890-7715-28	S - 50	Soluble	Solid	DI Leach	
890-7715-29	S - 50	Soluble	Solid	DI Leach	
890-7715-30	S - 50	Soluble	Solid	DI Leach	
890-7715-31	S - 51	Soluble	Solid	DI Leach	
890-7715-32	S - 51	Soluble	Solid	DI Leach	
890-7715-33	S - 51	Soluble	Solid	DI Leach	
890-7715-34	S - 51	Soluble	Solid	DI Leach	
MB 880-103699/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103699/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103699/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7715-15 MS	S - 34	Soluble	Solid	DI Leach	
890-7715-15 MSD	S - 34	Soluble	Solid	DI Leach	
890-7715-25 MS	S - 48	Soluble	Solid	DI Leach	
890-7715-25 MSD	S - 48	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

HPLC/IC

Leach Batch: 103702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-35	S - 51	Soluble	Solid	DI Leach	
890-7715-36	S - 53	Soluble	Solid	DI Leach	
890-7715-37	S - 53	Soluble	Solid	DI Leach	
890-7715-38	S - 53	Soluble	Solid	DI Leach	
890-7715-39	S - 53	Soluble	Solid	DI Leach	
890-7715-40	S - 53	Soluble	Solid	DI Leach	
890-7715-41	S - 54	Soluble	Solid	DI Leach	
890-7715-42	S - 54	Soluble	Solid	DI Leach	
890-7715-43	S - 54	Soluble	Solid	DI Leach	
890-7715-44	S - 54	Soluble	Solid	DI Leach	
890-7715-45	S - 54	Soluble	Solid	DI Leach	
MB 880-103702/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103702/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103702/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7715-35 MS	S - 51	Soluble	Solid	DI Leach	
890-7715-35 MSD	S - 51	Soluble	Solid	DI Leach	
890-7715-45 MS	S - 54	Soluble	Solid	DI Leach	
890-7715-45 MSD	S - 54	Soluble	Solid	DI Leach	

Analysis Batch: 103745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-1	S - 26	Soluble	Solid	300.0	103698
890-7715-2	S - 26	Soluble	Solid	300.0	103698
890-7715-3	S - 26	Soluble	Solid	300.0	103698
890-7715-4	S - 26	Soluble	Solid	300.0	103698
890-7715-5	S - 26	Soluble	Solid	300.0	103698
890-7715-6	S - 30	Soluble	Solid	300.0	103698
890-7715-7	S - 30	Soluble	Solid	300.0	103698
890-7715-8	S - 30	Soluble	Solid	300.0	103698
890-7715-9	S - 30	Soluble	Solid	300.0	103698
890-7715-10	S - 30	Soluble	Solid	300.0	103698
890-7715-11	S - 34	Soluble	Solid	300.0	103698
890-7715-12	S - 34	Soluble	Solid	300.0	103698
890-7715-13	S - 34	Soluble	Solid	300.0	103698
890-7715-14	S - 34	Soluble	Solid	300.0	103698
MB 880-103698/1-A	Method Blank	Soluble	Solid	300.0	103698
LCS 880-103698/2-A	Lab Control Sample	Soluble	Solid	300.0	103698
LCSD 880-103698/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103698
890-7715-5 MS	S - 26	Soluble	Solid	300.0	103698
890-7715-5 MSD	S - 26	Soluble	Solid	300.0	103698

Analysis Batch: 103749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-15	S - 34	Soluble	Solid	300.0	103699
890-7715-16	S - 47	Soluble	Solid	300.0	103699
890-7715-17	S - 47	Soluble	Solid	300.0	103699
890-7715-18	S - 47	Soluble	Solid	300.0	103699
890-7715-19	S - 47	Soluble	Solid	300.0	103699
890-7715-20	S - 47	Soluble	Solid	300.0	103699
890-7715-21	S - 48	Soluble	Solid	300.0	103699
890-7715-22	S - 48	Soluble	Solid	300.0	103699

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

HPLC/IC (Continued)

Analysis Batch: 103749 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-23	S - 48	Soluble	Solid	300.0	103699
890-7715-24	S - 48	Soluble	Solid	300.0	103699
890-7715-25	S - 48	Soluble	Solid	300.0	103699
890-7715-26	S - 50	Soluble	Solid	300.0	103699
890-7715-27	S - 50	Soluble	Solid	300.0	103699
890-7715-28	S - 50	Soluble	Solid	300.0	103699
890-7715-29	S - 50	Soluble	Solid	300.0	103699
890-7715-30	S - 50	Soluble	Solid	300.0	103699
890-7715-31	S - 51	Soluble	Solid	300.0	103699
890-7715-32	S - 51	Soluble	Solid	300.0	103699
890-7715-33	S - 51	Soluble	Solid	300.0	103699
890-7715-34	S - 51	Soluble	Solid	300.0	103699
MB 880-103699/1-A	Method Blank	Soluble	Solid	300.0	103699
LCS 880-103699/2-A	Lab Control Sample	Soluble	Solid	300.0	103699
LCSD 880-103699/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103699
890-7715-15 MS	S - 34	Soluble	Solid	300.0	103699
890-7715-15 MSD	S - 34	Soluble	Solid	300.0	103699
890-7715-25 MS	S - 48	Soluble	Solid	300.0	103699
890-7715-25 MSD	S - 48	Soluble	Solid	300.0	103699

Analysis Batch: 103752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7715-35	S - 51	Soluble	Solid	300.0	103702
890-7715-36	S - 53	Soluble	Solid	300.0	103702
890-7715-37	S - 53	Soluble	Solid	300.0	103702
890-7715-38	S - 53	Soluble	Solid	300.0	103702
890-7715-39	S - 53	Soluble	Solid	300.0	103702
890-7715-40	S - 53	Soluble	Solid	300.0	103702
890-7715-41	S - 54	Soluble	Solid	300.0	103702
890-7715-42	S - 54	Soluble	Solid	300.0	103702
890-7715-43	S - 54	Soluble	Solid	300.0	103702
890-7715-44	S - 54	Soluble	Solid	300.0	103702
890-7715-45	S - 54	Soluble	Solid	300.0	103702
MB 880-103702/1-A	Method Blank	Soluble	Solid	300.0	103702
LCS 880-103702/2-A	Lab Control Sample	Soluble	Solid	300.0	103702
LCSD 880-103702/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103702
890-7715-35 MS	S - 51	Soluble	Solid	300.0	103702
890-7715-35 MSD	S - 51	Soluble	Solid	300.0	103702
890-7715-45 MS	S - 54	Soluble	Solid	300.0	103702
890-7715-45 MSD	S - 54	Soluble	Solid	300.0	103702

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 26
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-1
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	103715	02/26/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 12:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 23:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103733	02/26/25 10:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103718	02/26/25 23:22	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 06:02	CH	EET MID

Client Sample ID: S - 26
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103715	02/26/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 12:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 21:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 21:51	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 06:08	CH	EET MID

Client Sample ID: S - 26
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-3
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	103715	02/26/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 12:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 22:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 22:07	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 06:14	CH	EET MID

Client Sample ID: S - 26
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-4
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			4.98 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 13:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 13:05	AJ	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 26
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-4
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			103827	02/26/25 22:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 22:22	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 06:20	CH	EET MID

Client Sample ID: S - 26
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-5
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	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 13:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 22:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 22:37	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 06:26	CH	EET MID

Client Sample ID: S - 30
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 13:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 22:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 22:52	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 06:44	CH	EET MID

Client Sample ID: S - 30
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 14:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 23:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 23:07	TKC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 30
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-7
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			5.02 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 06:50	CH	EET MID

Client Sample ID: S - 30
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 14:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 23:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103734	02/26/25 10:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103721	02/26/25 23:22	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 07:09	CH	EET MID

Client Sample ID: S - 30
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-9
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			4.98 g	5 mL	103712	02/26/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103700	02/26/25 16:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 16:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 19:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 19:19	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 07:15	CH	EET MID

Client Sample ID: S - 30
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-10
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	103712	02/26/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103700	02/26/25 16:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 16:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 20:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 20:08	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 07:21	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 34
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-11
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			4.98 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 16:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 20:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 20:23	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 07:27	CH	EET MID

Client Sample ID: S - 34
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 16:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 20:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 20:40	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 07:33	CH	EET MID

Client Sample ID: S - 34
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-13
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			5.02 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 17:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 20:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 20:55	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 07:39	CH	EET MID

Client Sample ID: S - 34
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 17:34	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 34
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-14
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			103827	02/27/25 21:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 21:11	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103698	02/26/25 08:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103745	02/27/25 07:45	CH	EET MID

Client Sample ID: S - 34
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 17:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 21:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 21:27	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 14:15	SMC	EET MID

Client Sample ID: S - 47
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-16
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			5.00 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 18:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 21:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 21:43	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 14:38	SMC	EET MID

Client Sample ID: S - 47
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-17
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			5.01 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 18:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 21:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 21:58	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 47
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 14:45	SMC	EET MID

Client Sample ID: S - 47
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-18
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			5.03 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 18:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 22:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 22:14	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 14:52	SMC	EET MID

Client Sample ID: S - 47
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-19
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			5.02 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 19:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 22:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 22:46	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 15:00	SMC	EET MID

Client Sample ID: S - 47
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-20
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			5.01 g	5 mL	103715	02/26/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103706	02/26/25 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 19:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 23:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 23:04	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 15:22	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 48
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 12:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 23:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 23:19	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 15:29	SMC	EET MID

Client Sample ID: S - 48
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 12:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 12:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/28/25 14:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103892	02/28/25 13:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 14:50	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 15:37	SMC	EET MID

Client Sample ID: S - 48
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-23
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			5.01 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 13:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/27/25 23:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/27/25 23:51	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 15:44	SMC	EET MID

Client Sample ID: S - 48
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-24
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			4.98 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 13:38	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 48
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-24
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			103827	02/28/25 00:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 00:08	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 15:51	SMC	EET MID

Client Sample ID: S - 48
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-25
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			5.01 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 13:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/28/25 00:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 00:24	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 15:59	SMC	EET MID

Client Sample ID: S - 50
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-26
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			5.03 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/28/25 00:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 00:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 16:21	SMC	EET MID

Client Sample ID: S - 50
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-27
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			4.99 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 14:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/28/25 00:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 00:56	TKC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 50
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-27
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			4.99 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 16:28	SMC	EET MID

Client Sample ID: S - 50
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-28
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			5.01 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 15:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/28/25 01:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103735	02/26/25 10:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 01:12	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 16:51	SMC	EET MID

Client Sample ID: S - 50
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 15:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 17:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 17:50	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 17:20	SMC	EET MID

Client Sample ID: S - 50
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 15:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 15:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 18:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 18:40	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 17:36	SMC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 51
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 17:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 18:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 18:56	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 17:43	SMC	EET MID

Client Sample ID: S - 51
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-32
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	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 17:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 19:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 19:12	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 17:51	SMC	EET MID

Client Sample ID: S - 51
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-33
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	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 18:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 18:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 19:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 19:29	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 17:58	SMC	EET MID

Client Sample ID: S - 51
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-34
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	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 18:32	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 51
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-34
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			103827	02/26/25 19:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 19:45	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	103699	02/26/25 08:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103749	02/27/25 18:53	SMC	EET MID

Client Sample ID: S - 51
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-35
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	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 18:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 20:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 20:03	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 22:10	CH	EET MID

Client Sample ID: S - 53
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-36
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	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 19:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 20:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 20:18	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 22:28	CH	EET MID

Client Sample ID: S - 53
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-37
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	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 19:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 20:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 20:36	TKC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 53
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 22:34	CH	EET MID

Client Sample ID: S - 53
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-38
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	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 19:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 20:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 20:52	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 22:40	CH	EET MID

Client Sample ID: S - 53
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-39
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	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 20:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 20:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 21:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 21:24	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 22:46	CH	EET MID

Client Sample ID: S - 53
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-40
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	103716	02/26/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/26/25 20:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 20:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 21:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 21:41	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 23:05	CH	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 54
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-41
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	103712	02/26/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103700	02/26/25 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 15:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 21:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 21:57	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 23:11	CH	EET MID

Client Sample ID: S - 54
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-42
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	103712	02/26/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103700	02/26/25 15:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 22:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 22:13	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 23:17	CH	EET MID

Client Sample ID: S - 54
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-43
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	103712	02/26/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103700	02/26/25 15:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 15:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 22:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 22:28	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 23:23	CH	EET MID

Client Sample ID: S - 54
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-44
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	103712	02/26/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103700	02/26/25 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 18:39	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Client Sample ID: S - 54
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-44
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			103827	02/26/25 22:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 22:45	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 23:29	CH	EET MID

Client Sample ID: S - 54
Date Collected: 02/24/25 00:00
Date Received: 02/25/25 09:40

Lab Sample ID: 890-7715-45
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	103712	02/26/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103700	02/26/25 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103772	02/26/25 19:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103827	02/26/25 23:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103736	02/26/25 10:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103726	02/26/25 23:01	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103702	02/26/25 08:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103752	02/26/25 23:35	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy 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: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy 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: HAYHURST PAD 10

Job ID: 890-7715-1
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7715-1	S - 26	Solid	02/24/25 00:00	02/25/25 09:40	0 - 1
890-7715-2	S - 26	Solid	02/24/25 00:00	02/25/25 09:40	2
890-7715-3	S - 26	Solid	02/24/25 00:00	02/25/25 09:40	3
890-7715-4	S - 26	Solid	02/24/25 00:00	02/25/25 09:40	4
890-7715-5	S - 26	Solid	02/24/25 00:00	02/25/25 09:40	4.5
890-7715-6	S - 30	Solid	02/24/25 00:00	02/25/25 09:40	0 - 1
890-7715-7	S - 30	Solid	02/24/25 00:00	02/25/25 09:40	2
890-7715-8	S - 30	Solid	02/24/25 00:00	02/25/25 09:40	3
890-7715-9	S - 30	Solid	02/24/25 00:00	02/25/25 09:40	4
890-7715-10	S - 30	Solid	02/24/25 00:00	02/25/25 09:40	4.5
890-7715-11	S - 34	Solid	02/24/25 00:00	02/25/25 09:40	0 - 1
890-7715-12	S - 34	Solid	02/24/25 00:00	02/25/25 09:40	2
890-7715-13	S - 34	Solid	02/24/25 00:00	02/25/25 09:40	3
890-7715-14	S - 34	Solid	02/24/25 00:00	02/25/25 09:40	4
890-7715-15	S - 34	Solid	02/24/25 00:00	02/25/25 09:40	4.5
890-7715-16	S - 47	Solid	02/24/25 00:00	02/25/25 09:40	0 - 1
890-7715-17	S - 47	Solid	02/24/25 00:00	02/25/25 09:40	2
890-7715-18	S - 47	Solid	02/24/25 00:00	02/25/25 09:40	3
890-7715-19	S - 47	Solid	02/24/25 00:00	02/25/25 09:40	4
890-7715-20	S - 47	Solid	02/24/25 00:00	02/25/25 09:40	4.5
890-7715-21	S - 48	Solid	02/24/25 00:00	02/25/25 09:40	0 - 1
890-7715-22	S - 48	Solid	02/24/25 00:00	02/25/25 09:40	2
890-7715-23	S - 48	Solid	02/24/25 00:00	02/25/25 09:40	3
890-7715-24	S - 48	Solid	02/24/25 00:00	02/25/25 09:40	4
890-7715-25	S - 48	Solid	02/24/25 00:00	02/25/25 09:40	4.5
890-7715-26	S - 50	Solid	02/24/25 00:00	02/25/25 09:40	0 - 1
890-7715-27	S - 50	Solid	02/24/25 00:00	02/25/25 09:40	2
890-7715-28	S - 50	Solid	02/24/25 00:00	02/25/25 09:40	3
890-7715-29	S - 50	Solid	02/24/25 00:00	02/25/25 09:40	4
890-7715-30	S - 50	Solid	02/24/25 00:00	02/25/25 09:40	4.5
890-7715-31	S - 51	Solid	02/24/25 00:00	02/25/25 09:40	0 - 1
890-7715-32	S - 51	Solid	02/24/25 00:00	02/25/25 09:40	2
890-7715-33	S - 51	Solid	02/24/25 00:00	02/25/25 09:40	3
890-7715-34	S - 51	Solid	02/24/25 00:00	02/25/25 09:40	4
890-7715-35	S - 51	Solid	02/24/25 00:00	02/25/25 09:40	4.5
890-7715-36	S - 53	Solid	02/24/25 00:00	02/25/25 09:40	0 - 1
890-7715-37	S - 53	Solid	02/24/25 00:00	02/25/25 09:40	2
890-7715-38	S - 53	Solid	02/24/25 00:00	02/25/25 09:40	3
890-7715-39	S - 53	Solid	02/24/25 00:00	02/25/25 09:40	4
890-7715-40	S - 53	Solid	02/24/25 00:00	02/25/25 09:40	4.5
890-7715-41	S - 54	Solid	02/24/25 00:00	02/25/25 09:40	0 - 1
890-7715-42	S - 54	Solid	02/24/25 00:00	02/25/25 09:40	2
890-7715-43	S - 54	Solid	02/24/25 00:00	02/25/25 09:40	3
890-7715-44	S - 54	Solid	02/24/25 00:00	02/25/25 09:40	4
890-7715-45	S - 54	Solid	02/24/25 00:00	02/25/25 09:40	4.5

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Chain of Custody

Work Order No: _____

Page __1_ of __5_

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
mpler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	
eived Intact:	Yes No		Thermometer ID:	TNMC4	
ler Custody Seals:	Yes No N/A		Correction Factor:	0.2	
mple Custody Seals:	Yes No N/A		Temperature Reading:	0.2	
al Containers:			Corrected Temperature	0	

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O

Cool MeOH: Me

HC HNO_3: HN

H_2 NaOH: Na

HP

O_4: NABIS

O_3: $NaSO_3$

etate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
~~S-26~~	~~2/24/2025~~		X	0-1	Grab	1	X	X	X	
S-26	2/24/2025		X	2	Grab	1	X	X	X	
S-26	2/24/2025		X	3	Grab	1	X	X	X	
S-26	2/24/2025		X	4	Grab	1	X	X	X	
S-26	2/24/2025		X	4.5	Grab	1	X	X	X	
S-30	2/24/2025		X	0-1	Grab	1	X	X	X	
S-30	2/24/2025		X	2	Grab	1	X	X	X	
S-30	2/24/2025		X	3	Grab	1	X	X	X	
S-30	2/24/2025		X	4	Grab	1	X	X	X	
S-30	2/24/2025		X	4.5	Grab	1	X	X	X	

890-7715 Chain of Custody

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	~~nquished by: (Signature)~~	Received by: (Signature) 2/25	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Ricky Trogger		2-25-25 8:45	2		
				4		
				6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

2/28/2025

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Chain of Custody

Work Order No: _____

Page __2__ of __5_

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
mpler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
ceived Intact:	(Yes) No	Thermometer ID:			
ler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2		
mple Custody Seals:	Yes No (N/A)	Temperature Reading:	0.2		
al Containers:		Corrected Temperature	0		

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	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-34	2/24/2025		X	0-1	Grab	1	X	X	X		
S-34	2/24/2025		X	2	Grab	1	X	X	X		
S-34	2/24/2025		X	3	Grab	1	X	X	X		
S-34	2/24/2025		X	4	Grab	1	X	X	X		
S-34	2/24/2025		X	4.5	Grab	1	X	X	X		
S-47	2/24/2025		X	0-1	Grab	1	X	X	X		
S-47	2/24/2025		X	2	Grab	1	X	X	X		
S-47	2/24/2025		X	3	Grab	1	X	X	X		
S-47	2/24/2025		X	4	Grab	1	X	X	X		
S-47	2/24/2025		X	4.5	Grab	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
Riley Flogger	[signature] 2125 9 4C	2-25-25 8:45	2		
			4		
			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

2/28/2025

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2/28/2025

Chain of Custody

Work Order No: _____

Page __3__ of __5_

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting: Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
mpler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice: (Yes) No
eived Intact:	(Yes) No	Thermometer ID:	Thermo
ler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
mple Custody Seals:	Yes No (N/A)	Temperature Reading:	0.2
al Containers:		Corrected Temperature	0

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	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-48	2/24/2025		X	0-1	Grab	1	X	X	X		
S-48	2/24/2025		X	2	Grab	1	X	X	X		
S-48	2/24/2025		X	3	Grab	1	X	X	X		
S-48	2/24/2025		X	4	Grab	1	X	X	X		
S-48	2/24/2025		X	4.5	Grab	1	X	X	X		
S-50	2/24/2025		X	0-1	Grab	1	X	X	X		
S-50	2/24/2025		X	2	Grab	1	X	X	X		
S-50	2/24/2025		X	3	Grab	1	X	X	X		
S-50	2/24/2025		X	4	Grab	1	X	X	X		
S-50	2/24/2025		X	4.5	Grab	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 Riley Proggce	Brandy 2/25 94C	2-25-25 8:45	2		
			4		
			6		

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Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: _____

Page __4__ of __5__

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
ject Number:	2628	Due Date:	Normal
ject Location	Eddy Co, NM		
mpler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice: (Yes) No
eived Intact:	(Yes) No	Thermometer ID:	TNMCC7
ler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
mple Custody Seals:	Yes No (N/A)	Temperature Reading:	0.2
al Containers:		Corrected Temperature	0

ANALYSIS REQUEST

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	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
~~S-51~~	~~2/24/2025~~		X	0-1	Grab	1	X	X	X		
S-51	2/24/2025		X	2	Grab	1	X	X	X		
S-51	2/24/2025		X	3	Grab	1	X	X	X		
S-51	2/24/2025		X	4	Grab	1	X	X	X		
S-51	2/24/2025		X	4.5	Grab	1	X	X	X		
S-53	2/24/2025		X	0-1	Grab	1	X	X	X		
S-53	2/24/2025		X	2	Grab	1	X	X	X		
S-53	2/24/2025		X	3	Grab	1	X	X	X		
S-53	2/24/2025		X	4	Grab	1	X	X	X		
S-53	2/24/2025		X	4.5	Grab	1	X	X	X		

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

~~nquished by: (Signature)~~	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Ricky Ploeger	Brenda 2/25 940	2-25-25	2		
			4		
			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

2/28/2025

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Chain of Custody

Work Order No: _____

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
mpler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
eived Intact:	(Yes) No		Thermometer ID:	TM#167	
ler Custody Seals:	Yes No (N/A)		Correction Factor:	-0.2	
mple Custody Seals:	Yes No (N/A)		Temperature Reading:	0.2	
al Containers:			Corrected Temperature	0	

ANALYSIS REQUEST

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	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-54	2/24/2025		X	0-1	Grab	1	X	X	X		
S-54	2/24/2025		X	2	Grab	1	X	X	X		
S-54	2/24/2025		X	3	Grab	1	X	X	X		
S-54	2/24/2025		X	4	Grab	1	X	X	X		
S-54	2/24/2025		X	4.5	Grab	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
Riley Prugger	Burns 2/25 940	2-25-25	2		
			4		
			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-7715-1
SDG Number: Eddy Co NM

Login Number: 7715
List Number: 1
Creator: Bruns, Shannon

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: Carmona Resources

Job Number: 890-7715-1
SDG Number: Eddy Co NM

Login Number: 7715
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 02/26/25 09:39 AM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/3/2025 1:14:45 PM

JOB DESCRIPTION

HAYHURST PAD 10
2628

JOB NUMBER

890-7724-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 9:10:05 AM

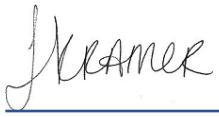
Eurofins Carlsbad

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
3/3/2025 1:14:45 PM

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

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Laboratory Job ID: 890-7724-1
SDG: 2628

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Sample Summary 103
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Receipt Checklists 111

Definitions/Glossary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: HAYHURST PAD 10

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Job Narrative
890-7724-1

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 2/26/2025 8:00 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 -11.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S - 9 (890-7724-1), S - 9 (890-7724-2), S - 9 (890-7724-3), S - 9 (890-7724-4), S - 9 (890-7724-5), S - 11 (890-7724-6), S - 11 (890-7724-7), S - 11 (890-7724-8), S - 11 (890-7724-9), S - 11 (890-7724-10), S - 12 (890-7724-11), S - 12 (890-7724-12), S - 12 (890-7724-13), S - 12 (890-7724-14), S - 12 (890-7724-15), S - 13 (890-7724-16), S - 13 (890-7724-17), S - 13 (890-7724-18), S - 13 (890-7724-19), S - 13 (890-7724-20), S - 25 (890-7724-21), S - 25 (890-7724-22), S - 25 (890-7724-23), S - 25 (890-7724-24), S - 25 (890-7724-25), S - 27 (890-7724-26), S - 27 (890-7724-27), S - 27 (890-7724-28), S - 27 (890-7724-29), S - 27 (890-7724-30), S - 28 (890-7724-31), S - 28 (890-7724-32), S - 28 (890-7724-33), S - 28 (890-7724-34), S - 28 (890-7724-35), S - 32 (890-7724-36), S - 32 (890-7724-37), S - 32 (890-7724-38), S - 32 (890-7724-39), S - 32 (890-7724-40), S - 33 (890-7724-41), S - 33 (890-7724-42), S - 33 (890-7724-43), S - 33 (890-7724-44), S - 33 (890-7724-45), S - 35 (890-7724-46), S - 35 (890-7724-47), S - 35 (890-7724-48), S - 35 (890-7724-49), S - 35 (890-7724-50), S - 36 (890-7724-51), S - 36 (890-7724-52), S - 36 (890-7724-53), S - 36 (890-7724-54) and S - 36 (890-7724-55).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-103822 and analytical batch 880-103807 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-103821 and analytical batch 880-103810 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-103810 recovered above the upper control limit for Benzene. 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 880-103810/20).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-103803 and analytical batch 880-103811 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S - 9 (890-7724-3), S - 11 (890-7724-7), S - 11 (890-7724-10) and S - 13 (890-7724-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-103779 and analytical batch 880-103818 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

Case Narrative

Client: Carmona Resources
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acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-103780 and analytical batch 880-103820 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S - 33 (890-7724-43), S - 33 (890-7724-45), S - 35 (890-7724-46), S - 35 (890-7724-48), S - 35 (890-7724-49), S - 35 (890-7724-50), S - 36 (890-7724-51), S - 36 (890-7724-52), S - 36 (890-7724-54) and S - 36 (890-7724-55). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-103779/2-A) and (LCSD 880-103779/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S - 25 (890-7724-21), S - 25 (890-7724-22), S - 25 (890-7724-23), S - 25 (890-7724-24), S - 25 (890-7724-25), S - 27 (890-7724-26), S - 27 (890-7724-27), S - 27 (890-7724-29), S - 27 (890-7724-30), S - 28 (890-7724-33), S - 28 (890-7724-34), S - 32 (890-7724-36), S - 32 (890-7724-37), S - 32 (890-7724-38), S - 32 (890-7724-39) and S - 32 (890-7724-40). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S - 27 (890-7724-28), S - 28 (890-7724-31) and S - 28 (890-7724-32). 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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-103861 and analytical batch 880-103897 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 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-103858 and analytical batch 880-103884 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 9

Lab Sample ID: 890-7724-1
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

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		02/27/25 08:15	02/27/25 13:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 13:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 13:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 13:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 13:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/27/25 08:15*	*02/27/25 13:32*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/27/25 08:15*	*02/27/25 13:32*	*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			02/27/25 13:32	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			02/27/25 18:16	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		02/26/25 16:47	02/27/25 18:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 18:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/26/25 16:47*	*02/27/25 18:16*	*1*
o-Terphenyl	*78*		*70 - 130*	*02/26/25 16:47*	*02/27/25 18:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2720**		101		mg/Kg			03/01/25 15:09	10

Client Sample ID: S - 9

Lab Sample ID: 890-7724-2
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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		02/27/25 08:15	02/27/25 13:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 13:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 13:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 13:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 13:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/27/25 08:15*	*02/27/25 13:52*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 9

Lab Sample ID: 890-7724-2
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*02/27/25 08:15*	*02/27/25 13:52*	*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			02/27/25 13:52	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			02/27/25 19:00	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		02/26/25 16:47	02/27/25 19:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 19:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*02/26/25 16:47*	*02/27/25 19:00*	*1*
o-Terphenyl	*73*		*70 - 130*	*02/26/25 16:47*	*02/27/25 19:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2800**		99.2		mg/Kg			02/28/25 08:44	10

Client Sample ID: S - 9

Lab Sample ID: 890-7724-3
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:15	02/27/25 14:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 14:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 14:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 14:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 14:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*02/27/25 08:15*	*02/27/25 14:12*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*02/27/25 08:15*	*02/27/25 14:12*	*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			02/27/25 14:12	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			02/27/25 19:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 9

Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

Lab Sample ID: 890-7724-3
Matrix: Solid

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		02/26/25 16:47	02/27/25 19:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 19:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/26/25 16:47*	*02/27/25 19:15*	*1*
o-Terphenyl	*74*		*70 - 130*	*02/26/25 16:47*	*02/27/25 19:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4740**		49.9		mg/Kg			02/28/25 12:43	5

Client Sample ID: S - 9

Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Lab Sample ID: 890-7724-4
Matrix: Solid

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		02/27/25 08:15	02/27/25 14:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:15	02/27/25 14:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:15	02/27/25 14:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/27/25 08:15	02/27/25 14:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:15	02/27/25 14:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/27/25 08:15	02/27/25 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/27/25 08:15*	*02/27/25 14:33*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/27/25 08:15*	*02/27/25 14:33*	*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			02/27/25 14:33	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			02/27/25 19:30	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		02/26/25 16:47	02/27/25 19:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:47	02/27/25 19:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:47	02/27/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/26/25 16:47*	*02/27/25 19:30*	*1*
o-Terphenyl	*76*		*70 - 130*	*02/26/25 16:47*	*02/27/25 19:30*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 9
Lab Sample ID: 890-7724-4
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2650		50.5		mg/Kg			02/28/25 12:49	5

Client Sample ID: S - 9
Lab Sample ID: 890-7724-5
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

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		02/27/25 08:15	02/27/25 14:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 14:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 14:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 14:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 14:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/27/25 08:15*	*02/27/25 14:53*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/27/25 08:15*	*02/27/25 14:53*	*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			02/27/25 14:53	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			02/27/25 19:44	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		02/26/25 16:47	02/27/25 19:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 19:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/26/25 16:47*	*02/27/25 19:44*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/26/25 16:47*	*02/27/25 19:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4740		99.4		mg/Kg			02/28/25 12:55	10

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 11

Lab Sample ID: 890-7724-6
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

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		02/27/25 08:15	02/27/25 15:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 15:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 15:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 15:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 15:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*02/27/25 08:15*	*02/27/25 15:14*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/27/25 08:15*	*02/27/25 15:14*	*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			02/27/25 15:14	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			02/27/25 20:00	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		02/26/25 16:47	02/27/25 20:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:47	02/27/25 20:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:47	02/27/25 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*02/26/25 16:47*	*02/27/25 20:00*	*1*
o-Terphenyl	*74*		*70 - 130*	*02/26/25 16:47*	*02/27/25 20:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2360**		49.6		mg/Kg			02/28/25 13:02	5

Client Sample ID: S - 11

Lab Sample ID: 890-7724-7
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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		02/27/25 08:15	02/27/25 15:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 15:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 15:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 08:15	02/27/25 15:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 15:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 08:15	02/27/25 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*02/27/25 08:15*	*02/27/25 15:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 11

Lab Sample ID: 890-7724-7
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/27/25 08:15*	*02/27/25 15:34*	*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			02/27/25 15:34	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			02/27/25 20:14	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		02/26/25 16:47	02/27/25 20:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 20:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/26/25 16:47*	*02/27/25 20:14*	*1*
o-Terphenyl	*78*		*70 - 130*	*02/26/25 16:47*	*02/27/25 20:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1840**		50.2		mg/Kg			02/28/25 13:20	5

Client Sample ID: S - 11

Lab Sample ID: 890-7724-8
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:15	02/27/25 15:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 15:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 15:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 15:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 15:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*02/27/25 08:15*	*02/27/25 15:55*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/27/25 08:15*	*02/27/25 15:55*	*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			02/27/25 15:55	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			02/27/25 20:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 11

Lab Sample ID: 890-7724-8
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/26/25 16:47	02/27/25 20:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 20:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/26/25 16:47*	*02/27/25 20:29*	*1*
o-Terphenyl	*80*		*70 - 130*	*02/26/25 16:47*	*02/27/25 20:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1270**		49.8		mg/Kg			02/28/25 13:26	5

Client Sample ID: S - 11

Lab Sample ID: 890-7724-9
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

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		02/27/25 08:15	02/27/25 16:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 16:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 16:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 16:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 16:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/27/25 08:15*	*02/27/25 16:15*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*02/27/25 08:15*	*02/27/25 16:15*	*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			02/27/25 16:15	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			02/27/25 20:44	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		02/26/25 16:47	02/27/25 20:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 20:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/26/25 16:47*	*02/27/25 20:44*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/26/25 16:47*	*02/27/25 20:44*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 11
Lab Sample ID: 890-7724-9
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1240		99.8		mg/Kg			02/28/25 13:32	10

Client Sample ID: S - 11
Lab Sample ID: 890-7724-10
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:15	02/27/25 16:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:15	02/27/25 16:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:15	02/27/25 16:35	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/27/25 08:15	02/27/25 16:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:15	02/27/25 16:35	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/27/25 08:15	02/27/25 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*02/27/25 08:15*	*02/27/25 16:35*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/27/25 08:15*	*02/27/25 16:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/27/25 16:35	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			02/27/25 20:58	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		02/26/25 16:47	02/27/25 20:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 16:47	02/27/25 20:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 16:47	02/27/25 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/26/25 16:47*	*02/27/25 20:58*	*1*
o-Terphenyl	*80*		*70 - 130*	*02/26/25 16:47*	*02/27/25 20:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1160		50.4		mg/Kg			02/28/25 18:06	5

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 12

Lab Sample ID: 890-7724-11
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

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		02/27/25 08:15	02/27/25 18:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:15	02/27/25 18:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:15	02/27/25 18:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/27/25 08:15	02/27/25 18:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:15	02/27/25 18:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/27/25 08:15	02/27/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/27/25 08:15*	*02/27/25 18:26*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/27/25 08:15*	*02/27/25 18:26*	*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			02/27/25 18:26	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			02/27/25 21:27	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		02/26/25 16:47	02/27/25 21:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 16:47	02/27/25 21:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 16:47	02/27/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*02/26/25 16:47*	*02/27/25 21:27*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/26/25 16:47*	*02/27/25 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		49.7		mg/Kg			02/28/25 13:44	5

Client Sample ID: S - 12

Lab Sample ID: 890-7724-12
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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		02/27/25 08:15	02/27/25 18:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 18:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 18:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 18:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 18:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/27/25 08:15*	*02/27/25 18:46*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 12

Lab Sample ID: 890-7724-12
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/27/25 08:15*	*02/27/25 18:46*	*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			02/27/25 18:46	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			02/27/25 21:42	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		02/26/25 16:47	02/27/25 21:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 21:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*81*		*70 - 130*	*02/26/25 16:47*	*02/27/25 21:42*	*1*
o-Terphenyl	*72*		*70 - 130*	*02/26/25 16:47*	*02/27/25 21:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2360**		49.8		mg/Kg			02/28/25 13:50	5

Client Sample ID: S - 12

Lab Sample ID: 890-7724-13
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:15	02/27/25 19:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 19:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 19:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 19:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 19:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/27/25 08:15*	*02/27/25 19:06*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/27/25 08:15*	*02/27/25 19:06*	*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			02/27/25 19:06	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			02/27/25 21:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 12

Lab Sample ID: 890-7724-13
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/26/25 16:47	02/27/25 21:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 21:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*02/26/25 16:47*	*02/27/25 21:56*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/26/25 16:47*	*02/27/25 21:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1590**		49.8		mg/Kg			02/28/25 14:09	5

Client Sample ID: S - 12

Lab Sample ID: 890-7724-14
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

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		02/27/25 08:15	02/27/25 19:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 19:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 19:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 19:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 19:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*02/27/25 08:15*	*02/27/25 19:27*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*02/27/25 08:15*	*02/27/25 19:27*	*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			02/27/25 19:27	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			02/27/25 22:11	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	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 22:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 22:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*02/26/25 16:47*	*02/27/25 22:11*	*1*
o-Terphenyl	*72*		*70 - 130*	*02/26/25 16:47*	*02/27/25 22:11*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 12
Lab Sample ID: 890-7724-14
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3390		101		mg/Kg			02/28/25 14:15	10

Client Sample ID: S - 12
Lab Sample ID: 890-7724-15
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

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		02/27/25 08:15	02/27/25 19:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:15	02/27/25 19:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:15	02/27/25 19:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/27/25 08:15	02/27/25 19:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:15	02/27/25 19:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/27/25 08:15	02/27/25 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/27/25 08:15*	*02/27/25 19:47*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/27/25 08:15*	*02/27/25 19:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/27/25 19:47	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			02/27/25 22:26	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		02/26/25 16:47	02/27/25 22:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:47	02/27/25 22:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:47	02/27/25 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/26/25 16:47*	*02/27/25 22:26*	*1*
o-Terphenyl	*76*		*70 - 130*	*02/26/25 16:47*	*02/27/25 22:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		50.5		mg/Kg			02/28/25 14:33	5

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 13

Lab Sample ID: 890-7724-16
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

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		02/27/25 08:15	02/27/25 20:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 20:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 20:08	1
m-Xylene & p-Xylene	**0.00824**		0.00400		mg/Kg		02/27/25 08:15	02/27/25 20:08	1
o-Xylene	**0.00369**		0.00200		mg/Kg		02/27/25 08:15	02/27/25 20:08	1
Xylenes, Total	**0.0119**		0.00400		mg/Kg		02/27/25 08:15	02/27/25 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/27/25 08:15*	*02/27/25 20:08*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/27/25 08:15*	*02/27/25 20:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0119**		0.00400		mg/Kg			02/27/25 20:08	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			02/27/25 22:41	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		02/26/25 16:47	02/27/25 22:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 22:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*02/26/25 16:47*	*02/27/25 22:41*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/26/25 16:47*	*02/27/25 22:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1460**		49.7		mg/Kg			02/28/25 14:39	5

Client Sample ID: S - 13

Lab Sample ID: 890-7724-17
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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		02/27/25 08:15	02/27/25 20:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 20:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 20:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 20:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 20:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*02/27/25 08:15*	*02/27/25 20:28*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 13

Lab Sample ID: 890-7724-17
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/27/25 08:15*	*02/27/25 20:28*	*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			02/27/25 20:28	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			02/27/25 22:55	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		02/26/25 16:47	02/27/25 22:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:47	02/27/25 22:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:47	02/27/25 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/26/25 16:47*	*02/27/25 22:55*	*1*
o-Terphenyl	*74*		*70 - 130*	*02/26/25 16:47*	*02/27/25 22:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1160**		49.6		mg/Kg			02/28/25 14:45	5

Client Sample ID: S - 13

Lab Sample ID: 890-7724-18
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:15	02/27/25 20:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 20:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 20:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 20:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 20:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/27/25 08:15*	*02/27/25 20:49*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/27/25 08:15*	*02/27/25 20:49*	*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			02/27/25 20:49	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			02/27/25 23:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 13

Lab Sample ID: 890-7724-18
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/26/25 16:47	02/27/25 23:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 23:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/26/25 16:47*	*02/27/25 23:10*	*1*
o-Terphenyl	*78*		*70 - 130*	*02/26/25 16:47*	*02/27/25 23:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1490**		50.2		mg/Kg			02/28/25 14:51	5

Client Sample ID: S - 13

Lab Sample ID: 890-7724-19
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

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		02/27/25 08:15	02/27/25 21:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 21:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 21:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 21:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:15	02/27/25 21:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:15	02/27/25 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/27/25 08:15*	*02/27/25 21:09*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/27/25 08:15*	*02/27/25 21:09*	*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			02/27/25 21:09	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			02/27/25 23:24	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		02/26/25 16:47	02/27/25 23:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 23:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:47	02/27/25 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*02/26/25 16:47*	*02/27/25 23:24*	*1*
o-Terphenyl	*73*		*70 - 130*	*02/26/25 16:47*	*02/27/25 23:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 13
Lab Sample ID: 890-7724-19
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	829		49.7		mg/Kg			02/28/25 14:57	5

Client Sample ID: S - 13
Lab Sample ID: 890-7724-20
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

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		02/27/25 08:15	02/27/25 21:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 21:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 21:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 21:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 21:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:15	02/27/25 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/27/25 08:15*	*02/27/25 21:29*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/27/25 08:15*	*02/27/25 21:29*	*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			02/27/25 21:29	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			02/27/25 23:39	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		02/26/25 16:47	02/27/25 23:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 16:47	02/27/25 23:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 16:47	02/27/25 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/26/25 16:47*	*02/27/25 23:39*	*1*
o-Terphenyl	*74*		*70 - 130*	*02/26/25 16:47*	*02/27/25 23:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	673		49.5		mg/Kg			02/28/25 15:03	5

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 25
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

Lab Sample ID: 890-7724-21
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		02/27/25 08:47	02/27/25 11:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 11:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 11:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 11:56	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		02/27/25 08:47	02/27/25 11:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/27/25 08:47*	*02/27/25 11:56*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*02/27/25 08:47*	*02/27/25 11:56*	*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			02/27/25 11:56	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			02/28/25 03:19	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 F1	50.0		mg/Kg		02/26/25 16:50	02/28/25 03:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		02/26/25 16:50	02/28/25 03:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:50	02/28/25 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*02/26/25 16:50*	*02/28/25 03:19*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 03:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			02/28/25 15:10	1

Client Sample ID: S - 25
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

Lab Sample ID: 890-7724-22
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		02/27/25 08:47	02/27/25 12:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 12:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 12:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 12:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 12:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/27/25 08:47*	*02/27/25 12:16*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 25

Lab Sample ID: 890-7724-22
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/27/25 08:47*	*02/27/25 12:16*	*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			02/27/25 12:16	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			02/28/25 04:07	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		02/26/25 16:50	02/28/25 04:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 04:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*75*		*70 - 130*	*02/26/25 16:50*	*02/28/25 04:07*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 04:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.3**		10.0		mg/Kg			03/01/25 13:06	1

Client Sample ID: S - 25

Lab Sample ID: 890-7724-23
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:47	02/27/25 12:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 12:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 12:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 12:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 12:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/27/25 08:47*	*02/27/25 12:37*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/27/25 08:47*	*02/27/25 12:37*	*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			02/27/25 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/28/25 04:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 25

Lab Sample ID: 890-7724-23
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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	<49.6	U	49.6		mg/Kg		02/26/25 16:50	02/28/25 04:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/26/25 16:50	02/28/25 04:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/26/25 16:50	02/28/25 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*02/26/25 16:50*	*02/28/25 04:22*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 04:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.9**		10.1		mg/Kg			03/01/25 13:25	1

Client Sample ID: S - 25

Lab Sample ID: 890-7724-24
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

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		02/27/25 08:47	02/27/25 12:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:47	02/27/25 12:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:47	02/27/25 12:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/27/25 08:47	02/27/25 12:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:47	02/27/25 12:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/27/25 08:47	02/27/25 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*02/27/25 08:47*	*02/27/25 12:57*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/27/25 08:47*	*02/27/25 12:57*	*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			02/27/25 12:57	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			02/28/25 04:39	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		02/26/25 16:50	02/28/25 04:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 04:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 04:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*02/26/25 16:50*	*02/28/25 04:39*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 04:39*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 25
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Lab Sample ID: 890-7724-24
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		9.92		mg/Kg			03/01/25 13:31	1

Client Sample ID: S - 25
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

Lab Sample ID: 890-7724-25
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		02/27/25 08:47	02/27/25 13:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 13:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 13:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 13:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 13:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/27/25 08:47*	*02/27/25 13:18*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/27/25 08:47*	*02/27/25 13:18*	*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			02/27/25 13:18	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			02/28/25 04:54	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		02/26/25 16:50	02/28/25 04:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:50	02/28/25 04:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:50	02/28/25 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/26/25 16:50*	*02/28/25 04:54*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 04:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.4		10.1		mg/Kg			03/01/25 13:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 27

Lab Sample ID: 890-7724-26
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

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		02/27/25 08:47	02/27/25 13:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 13:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 13:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 13:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 13:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/27/25 08:47*	*02/27/25 13:38*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/27/25 08:47*	*02/27/25 13:38*	*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			02/27/25 13:38	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			02/28/25 05:10	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		02/26/25 16:50	02/28/25 05:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:50	02/28/25 05:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:50	02/28/25 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/26/25 16:50*	*02/28/25 05:10*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 05:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**192**		9.96		mg/Kg			03/01/25 13:43	1

Client Sample ID: S - 27

Lab Sample ID: 890-7724-27
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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		02/27/25 08:47	02/27/25 13:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 13:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 13:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 08:47	02/27/25 13:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 13:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 08:47	02/27/25 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/27/25 08:47*	*02/27/25 13:59*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 27

Lab Sample ID: 890-7724-27
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/27/25 08:47*	*02/27/25 13:59*	*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			02/27/25 13:59	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			02/28/25 05:26	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		02/26/25 16:50	02/28/25 05:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:50	02/28/25 05:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:50	02/28/25 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*02/26/25 16:50*	*02/28/25 05:26*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 05:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		9.94		mg/Kg			03/01/25 14:01	1

Client Sample ID: S - 27

Lab Sample ID: 890-7724-28
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:47	02/27/25 14:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 14:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 14:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 14:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 14:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*02/27/25 08:47*	*02/27/25 14:19*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/27/25 08:47*	*02/27/25 14:19*	*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			02/27/25 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/28/25 14:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 27

Lab Sample ID: 890-7724-28
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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	<50.4	U	50.4		mg/Kg		02/28/25 13:55	02/28/25 14:21	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/28/25 13:55	02/28/25 14:21	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/28/25 13:55	02/28/25 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*02/28/25 13:55*	*02/28/25 14:21*	*1*
o-Terphenyl	*121*		*70 - 130*	*02/28/25 13:55*	*02/28/25 14:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.9**		10.0		mg/Kg			03/01/25 14:07	1

Client Sample ID: S - 27

Lab Sample ID: 890-7724-29
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

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		02/27/25 08:47	02/27/25 14:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 14:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 14:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 14:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 14:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/27/25 08:47*	*02/27/25 14:40*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/27/25 08:47*	*02/27/25 14:40*	*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			02/27/25 14:40	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			02/28/25 05:58	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		02/26/25 16:50	02/28/25 05:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 05:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*02/26/25 16:50*	*02/28/25 05:58*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 05:58*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 27
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Lab Sample ID: 890-7724-29
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.6		9.94		mg/Kg			03/01/25 14:13	1

Client Sample ID: S - 27
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

Lab Sample ID: 890-7724-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:47	02/27/25 15:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:47	02/27/25 15:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:47	02/27/25 15:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/27/25 08:47	02/27/25 15:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:47	02/27/25 15:00	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/27/25 08:47	02/27/25 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/27/25 08:47*	*02/27/25 15:00*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/27/25 08:47*	*02/27/25 15:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/27/25 15:00	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			02/28/25 06:13	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		02/26/25 16:50	02/28/25 06:13	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 16:50	02/28/25 06:13	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 16:50	02/28/25 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/26/25 16:50*	*02/28/25 06:13*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 06:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.2		10.0		mg/Kg			03/01/25 14:20	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 28

Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

Lab Sample ID: 890-7724-31
Matrix: Solid

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		02/27/25 08:47	02/27/25 16:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:47	02/27/25 16:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:47	02/27/25 16:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/27/25 08:47	02/27/25 16:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:47	02/27/25 16:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/27/25 08:47	02/27/25 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/27/25 08:47*	*02/27/25 16:24*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/27/25 08:47*	*02/27/25 16:24*	*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			02/27/25 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/28/25 14:35	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	<50.1	U	50.1		mg/Kg		02/28/25 13:55	02/28/25 14:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/28/25 13:55	02/28/25 14:35	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/28/25 13:55	02/28/25 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*145*	*S1+*	*70 - 130*	*02/28/25 13:55*	*02/28/25 14:35*	*1*
o-Terphenyl	*129*		*70 - 130*	*02/28/25 13:55*	*02/28/25 14:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.7**		9.96		mg/Kg			03/01/25 14:26	1

Client Sample ID: S - 28

Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

Lab Sample ID: 890-7724-32
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		02/27/25 08:47	02/27/25 16:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 16:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 16:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 16:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 16:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/27/25 08:47*	*02/27/25 16:45*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 28

Lab Sample ID: 890-7724-32
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/27/25 08:47*	*02/27/25 16:45*	*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			02/27/25 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/28/25 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	<50.3	U	50.3		mg/Kg		02/28/25 13:55	02/28/25 14:50	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/28/25 13:55	02/28/25 14:50	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/28/25 13:55	02/28/25 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*02/28/25 13:55*	*02/28/25 14:50*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/28/25 13:55*	*02/28/25 14:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			03/01/25 14:32	1

Client Sample ID: S - 28

Lab Sample ID: 890-7724-33
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:47	02/27/25 17:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 17:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 17:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 17:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 17:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/27/25 08:47*	*02/27/25 17:05*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/27/25 08:47*	*02/27/25 17:05*	*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			02/27/25 17:05	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			02/28/25 07:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 28

Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

Lab Sample ID: 890-7724-33
Matrix: Solid

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		02/26/25 16:50	02/28/25 07:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:50	02/28/25 07:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:50	02/28/25 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/26/25 16:50*	*02/28/25 07:16*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 07:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.0**		9.92		mg/Kg			03/01/25 14:50	1

Client Sample ID: S - 28

Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Lab Sample ID: 890-7724-34
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		02/27/25 08:47	02/27/25 17:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 17:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 17:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 17:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 17:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/27/25 08:47*	*02/27/25 17:26*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*02/27/25 08:47*	*02/27/25 17:26*	*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			02/27/25 17:26	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			02/28/25 07:31	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	<50.0	U	50.0		mg/Kg		02/26/25 16:50	02/28/25 07:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:50	02/28/25 07:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:50	02/28/25 07:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/26/25 16:50*	*02/28/25 07:31*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 07:31*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 28
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Lab Sample ID: 890-7724-34
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.8		10.0		mg/Kg			03/01/25 14:56	1

Client Sample ID: S - 28
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

Lab Sample ID: 890-7724-35
Matrix: Solid

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		02/27/25 08:47	02/27/25 17:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:47	02/27/25 17:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:47	02/27/25 17:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/27/25 08:47	02/27/25 17:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:47	02/27/25 17:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/27/25 08:47	02/27/25 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*02/27/25 08:47*	*02/27/25 17:46*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/27/25 08:47*	*02/27/25 17:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/27/25 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/28/25 14:36	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	<50.3	U	50.3		mg/Kg		02/28/25 15:07	02/28/25 14:36	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/28/25 15:07	02/28/25 14:36	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/28/25 15:07	02/28/25 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*02/28/25 15:07*	*02/28/25 14:36*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/28/25 15:07*	*02/28/25 14:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.0		9.94		mg/Kg			03/01/25 15:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 32

Lab Sample ID: 890-7724-36
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

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		02/27/25 08:47	02/27/25 18:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 18:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 18:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/27/25 08:47	02/27/25 18:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 18:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/27/25 08:47	02/27/25 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/27/25 08:47*	*02/27/25 18:07*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/27/25 08:47*	*02/27/25 18:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/27/25 18:07	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			02/28/25 08:03	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		02/26/25 16:50	02/28/25 08:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 08:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 08:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/26/25 16:50*	*02/28/25 08:03*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 08:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**179**		10.0		mg/Kg			03/01/25 15:21	1

Client Sample ID: S - 32

Lab Sample ID: 890-7724-37
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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		02/27/25 08:47	02/27/25 18:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 18:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 18:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 18:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 18:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*02/27/25 08:47*	*02/27/25 18:27*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 32

Lab Sample ID: 890-7724-37
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/27/25 08:47*	*02/27/25 18:27*	*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			02/27/25 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/25 08:19	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		02/26/25 16:50	02/28/25 08:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:50	02/28/25 08:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:50	02/28/25 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*02/26/25 16:50*	*02/28/25 08:19*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 08:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**197**		9.94		mg/Kg			03/01/25 15:27	1

Client Sample ID: S - 32

Lab Sample ID: 890-7724-38
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:47	02/27/25 18:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 18:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 18:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 18:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 18:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/27/25 08:47*	*02/27/25 18:48*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/27/25 08:47*	*02/27/25 18:48*	*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			02/27/25 18:48	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			02/28/25 08:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 32

Lab Sample ID: 890-7724-38
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/26/25 16:50	02/28/25 08:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 08:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 08:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*02/26/25 16:50*	*02/28/25 08:37*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 08:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**246**		9.92		mg/Kg			03/01/25 15:33	1

Client Sample ID: S - 32

Lab Sample ID: 890-7724-39
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

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		02/27/25 08:47	02/27/25 19:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 19:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 19:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 19:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:47	02/27/25 19:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:47	02/27/25 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/27/25 08:47*	*02/27/25 19:08*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/27/25 08:47*	*02/27/25 19:08*	*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			02/27/25 19:08	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			02/28/25 08:52	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		02/26/25 16:50	02/28/25 08:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:50	02/28/25 08:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:50	02/28/25 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/26/25 16:50*	*02/28/25 08:52*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 08:52*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 32
Lab Sample ID: 890-7724-39
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		10.0		mg/Kg			03/01/25 15:39	1

Client Sample ID: S - 32
Lab Sample ID: 890-7724-40
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

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		02/27/25 08:47	02/27/25 19:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 19:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 19:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 19:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 19:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:47	02/27/25 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/27/25 08:47*	*02/27/25 19:29*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/27/25 08:47*	*02/27/25 19:29*	*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			02/27/25 19:29	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			02/28/25 09:10	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		02/26/25 16:50	02/28/25 09:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 09:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:50	02/28/25 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/26/25 16:50*	*02/28/25 09:10*	*1*
o-Terphenyl	*65*	*S1-*	*70 - 130*	*02/26/25 16:50*	*02/28/25 09:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	239		10.0		mg/Kg			03/01/25 15:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 33

Lab Sample ID: 890-7724-41
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		02/27/25 08:49	02/27/25 22:48	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		02/27/25 08:49	02/27/25 22:48	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		02/27/25 08:49	02/27/25 22:48	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		02/27/25 08:49	02/27/25 22:48	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		02/27/25 08:49	02/27/25 22:48	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		02/27/25 08:49	02/27/25 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/27/25 08:49*	*02/27/25 22:48*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/27/25 08:49*	*02/27/25 22:48*	*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			02/27/25 22:48	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			02/27/25 19:19	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		02/26/25 16:52	02/27/25 19:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:52	02/27/25 19:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:52	02/27/25 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*02/26/25 16:52*	*02/27/25 19:19*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/26/25 16:52*	*02/27/25 19:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.3**		9.94		mg/Kg			03/01/25 15:52	1

Client Sample ID: S - 33

Lab Sample ID: 890-7724-42
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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		02/27/25 08:49	02/27/25 23:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:49	02/27/25 23:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:49	02/27/25 23:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:49	02/27/25 23:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:49	02/27/25 23:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:49	02/27/25 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/27/25 08:49*	*02/27/25 23:08*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 33

Lab Sample ID: 890-7724-42
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/27/25 08:49*	*02/27/25 23:08*	*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			02/27/25 23:08	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			02/27/25 20:08	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	<49.8	U	49.8		mg/Kg		02/26/25 16:52	02/27/25 20:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:52	02/27/25 20:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:52	02/27/25 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*119*		*70 - 130*	*02/26/25 16:52*	*02/27/25 20:08*	*1*
o-Terphenyl	*104*		*70 - 130*	*02/26/25 16:52*	*02/27/25 20:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		10.0		mg/Kg			02/28/25 22:28	1

Client Sample ID: S - 33

Lab Sample ID: 890-7724-43
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:49	02/27/25 23:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 23:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 23:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:49	02/27/25 23:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 23:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:49	02/27/25 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/27/25 08:49*	*02/27/25 23:29*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/27/25 08:49*	*02/27/25 23:29*	*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			02/27/25 23:29	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			02/27/25 20:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 33

Lab Sample ID: 890-7724-43
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/26/25 16:52	02/27/25 20:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 16:52	02/27/25 20:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 16:52	02/27/25 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*02/26/25 16:52*	*02/27/25 20:23*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/26/25 16:52*	*02/27/25 20:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**413**		9.94		mg/Kg			02/28/25 22:34	1

Client Sample ID: S - 33

Lab Sample ID: 890-7724-44
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

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		02/27/25 08:49	02/27/25 23:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:49	02/27/25 23:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:49	02/27/25 23:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/27/25 08:49	02/27/25 23:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/27/25 08:49	02/27/25 23:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/27/25 08:49	02/27/25 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/27/25 08:49*	*02/27/25 23:49*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/27/25 08:49*	*02/27/25 23:49*	*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			02/27/25 23:49	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			02/27/25 20:40	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		02/26/25 16:52	02/27/25 20:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:52	02/27/25 20:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:52	02/27/25 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*02/26/25 16:52*	*02/27/25 20:40*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/26/25 16:52*	*02/27/25 20:40*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 33
Lab Sample ID: 890-7724-44
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	425		10.0		mg/Kg			02/28/25 22:40	1

Client Sample ID: S - 33
Lab Sample ID: 890-7724-45
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

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		02/27/25 08:49	02/28/25 00:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 00:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 00:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:49	02/28/25 00:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 00:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:49	02/28/25 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/27/25 08:49*	*02/28/25 00:10*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/27/25 08:49*	*02/28/25 00:10*	*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			02/28/25 00:10	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			02/27/25 20:55	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		02/26/25 16:52	02/27/25 20:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:52	02/27/25 20:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:52	02/27/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*02/26/25 16:52*	*02/27/25 20:55*	*1*
o-Terphenyl	*124*		*70 - 130*	*02/26/25 16:52*	*02/27/25 20:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	517		9.96		mg/Kg			02/28/25 22:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 35

Lab Sample ID: 890-7724-46
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

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		02/27/25 08:49	02/28/25 00:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:49	02/28/25 00:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:49	02/28/25 00:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:49	02/28/25 00:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:49	02/28/25 00:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:49	02/28/25 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/27/25 08:49*	*02/28/25 00:30*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/27/25 08:49*	*02/28/25 00:30*	*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			02/28/25 00:30	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			02/27/25 21:11	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		02/26/25 16:52	02/27/25 21:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:52	02/27/25 21:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:52	02/27/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*02/26/25 16:52*	*02/27/25 21:11*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/26/25 16:52*	*02/27/25 21:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**	**F1**	9.98		mg/Kg			02/28/25 22:52	1

Client Sample ID: S - 35

Lab Sample ID: 890-7724-47
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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		02/27/25 08:49	02/28/25 00:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 00:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 00:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 08:49	02/28/25 00:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 00:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 08:49	02/28/25 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*02/27/25 08:49*	*02/28/25 00:51*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 35

Lab Sample ID: 890-7724-47
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/27/25 08:49*	*02/28/25 00:51*	*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			02/28/25 00:51	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			02/27/25 21:27	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		02/26/25 16:52	02/27/25 21:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:52	02/27/25 21:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:52	02/27/25 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*130*		*70 - 130*	*02/26/25 16:52*	*02/27/25 21:27*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/26/25 16:52*	*02/27/25 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.3**		9.92		mg/Kg			02/28/25 23:09	1

Client Sample ID: S - 35

Lab Sample ID: 890-7724-48
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:49	02/28/25 01:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 01:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 01:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:49	02/28/25 01:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 01:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:49	02/28/25 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/27/25 08:49*	*02/28/25 01:11*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/27/25 08:49*	*02/28/25 01:11*	*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			02/28/25 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/27/25 21:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 35

Lab Sample ID: 890-7724-48
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/26/25 16:52	02/27/25 21:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:52	02/27/25 21:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:52	02/27/25 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*02/26/25 16:52*	*02/27/25 21:43*	*1*
o-Terphenyl	*127*		*70 - 130*	*02/26/25 16:52*	*02/27/25 21:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.7**		10.0		mg/Kg			02/28/25 23:15	1

Client Sample ID: S - 35

Lab Sample ID: 890-7724-49
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

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		02/27/25 08:49	02/28/25 01:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 01:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 01:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:49	02/28/25 01:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 01:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:49	02/28/25 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/27/25 08:49*	*02/28/25 01:32*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/27/25 08:49*	*02/28/25 01:32*	*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			02/28/25 01:32	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			02/27/25 21:58	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		02/26/25 16:52	02/27/25 21:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:52	02/27/25 21:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:52	02/27/25 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*02/26/25 16:52*	*02/27/25 21:58*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/26/25 16:52*	*02/27/25 21:58*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 35
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Lab Sample ID: 890-7724-49
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		9.94		mg/Kg			02/28/25 23:33	1

Client Sample ID: S - 35
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

Lab Sample ID: 890-7724-50
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:49	02/28/25 01:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:49	02/28/25 01:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:49	02/28/25 01:52	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/27/25 08:49	02/28/25 01:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/27/25 08:49	02/28/25 01:52	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/27/25 08:49	02/28/25 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*02/27/25 08:49*	*02/28/25 01:52*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/27/25 08:49*	*02/28/25 01:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/28/25 01:52	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			02/27/25 22:14	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		02/26/25 16:52	02/27/25 22:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:52	02/27/25 22:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:52	02/27/25 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*02/26/25 16:52*	*02/27/25 22:14*	*1*
o-Terphenyl	*117*		*70 - 130*	*02/26/25 16:52*	*02/27/25 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.1		10.0		mg/Kg			02/28/25 23:39	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 36

Lab Sample ID: 890-7724-51
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 0 - 1

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		02/27/25 08:16	02/27/25 16:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:16	02/27/25 16:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:16	02/27/25 16:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/27/25 08:16	02/27/25 16:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:16	02/27/25 16:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/27/25 08:16	02/27/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/27/25 08:16*	*02/27/25 16:22*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/27/25 08:16*	*02/27/25 16:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/27/25 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/27/25 22:46	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	<49.6	U	49.6		mg/Kg		02/26/25 16:52	02/27/25 22:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/26/25 16:52	02/27/25 22:46	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/26/25 16:52	02/27/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*02/26/25 16:52*	*02/27/25 22:46*	*1*
o-Terphenyl	*117*		*70 - 130*	*02/26/25 16:52*	*02/27/25 22:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**552**		9.94		mg/Kg			02/28/25 23:45	1

Client Sample ID: S - 36

Lab Sample ID: 890-7724-52
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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		02/27/25 08:16	02/27/25 16:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 16:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 16:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/27/25 08:16	02/27/25 16:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 16:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/27/25 08:16	02/27/25 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/27/25 08:16*	*02/27/25 16:42*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 36

Lab Sample ID: 890-7724-52
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/27/25 08:16*	*02/27/25 16:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/27/25 16:42	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			02/27/25 23:04	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		02/26/25 16:52	02/27/25 23:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 16:52	02/27/25 23:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 16:52	02/27/25 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*02/26/25 16:52*	*02/27/25 23:04*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/26/25 16:52*	*02/27/25 23:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**504**		9.92		mg/Kg			02/28/25 23:50	1

Client Sample ID: S - 36

Lab Sample ID: 890-7724-53
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/27/25 08:16	02/27/25 17:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 17:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 17:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:16	02/27/25 17:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 17:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:16	02/27/25 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/27/25 08:16*	*02/27/25 17:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/27/25 08:16*	*02/27/25 17:03*	*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			02/27/25 17:03	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			02/27/25 23:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 36

Lab Sample ID: 890-7724-53
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 3

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		02/26/25 16:52	02/27/25 23:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 16:52	02/27/25 23:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 16:52	02/27/25 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*02/26/25 16:52*	*02/27/25 23:19*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/26/25 16:52*	*02/27/25 23:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**421**		10.0		mg/Kg			02/28/25 23:56	1

Client Sample ID: S - 36

Lab Sample ID: 890-7724-54
Matrix: Solid
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

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		02/27/25 08:16	02/27/25 17:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:16	02/27/25 17:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:16	02/27/25 17:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:16	02/27/25 17:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:16	02/27/25 17:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:16	02/27/25 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/27/25 08:16*	*02/27/25 17:23*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/27/25 08:16*	*02/27/25 17:23*	*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			02/27/25 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/27/25 23:36	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	<49.6	U	49.6		mg/Kg		02/26/25 16:52	02/27/25 23:36	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/26/25 16:52	02/27/25 23:36	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/26/25 16:52	02/27/25 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*02/26/25 16:52*	*02/27/25 23:36*	*1*
o-Terphenyl	*118*		*70 - 130*	*02/26/25 16:52*	*02/27/25 23:36*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 36
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4

Lab Sample ID: 890-7724-54
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		10.0		mg/Kg			03/01/25 00:02	1

Client Sample ID: S - 36
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00
Sample Depth: 4.5

Lab Sample ID: 890-7724-55
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		02/27/25 08:16	02/27/25 17:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:16	02/27/25 17:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:16	02/27/25 17:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:16	02/27/25 17:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:16	02/27/25 17:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:16	02/27/25 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/27/25 08:16*	*02/27/25 17:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/27/25 08:16*	*02/27/25 17:44*	*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			02/27/25 17:44	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			02/27/25 23:51	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		02/26/25 16:52	02/27/25 23:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:52	02/27/25 23:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:52	02/27/25 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*02/26/25 16:52*	*02/27/25 23:51*	*1*
o-Terphenyl	*118*		*70 - 130*	*02/26/25 16:52*	*02/27/25 23:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	378		9.94		mg/Kg			03/01/25 00:08	1

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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)										
890-7724-1	S - 9	99	100										
890-7724-1 MS	S - 9	124	105										
890-7724-1 MSD	S - 9	102	108										
890-7724-2	S - 9	119	114										
890-7724-3	S - 9	132 S1+	120										
890-7724-4	S - 9	116	110										
890-7724-5	S - 9	117	110										
890-7724-6	S - 11	130	107										
890-7724-7	S - 11	136 S1+	111										
890-7724-8	S - 11	123	103										
890-7724-9	S - 11	118	114										
890-7724-10	S - 11	132 S1+	107										
890-7724-11	S - 12	100	103										
890-7724-12	S - 12	109	111										
890-7724-13	S - 12	119	104										
890-7724-14	S - 12	132 S1+	112										
890-7724-15	S - 12	121	105										
890-7724-16	S - 13	106	97										
890-7724-17	S - 13	128	113										
890-7724-18	S - 13	126	105										
890-7724-19	S - 13	121	102										
890-7724-20	S - 13	131 S1+	106										
890-7724-21	S - 25	103	85										
890-7724-21 MS	S - 25	108	110										
890-7724-21 MSD	S - 25	117	101										
890-7724-22	S - 25	109	87										
890-7724-23	S - 25	94	96										
890-7724-24	S - 25	93	97										
890-7724-25	S - 25	105	91										
890-7724-26	S - 27	103	88										
890-7724-27	S - 27	99	88										
890-7724-28	S - 27	93	97										
890-7724-29	S - 27	100	81										
890-7724-30	S - 27	101	84										
890-7724-31	S - 28	92	99										
890-7724-32	S - 28	94	98										
890-7724-33	S - 28	94	96										
890-7724-34	S - 28	99	75										
890-7724-35	S - 28	91	95										
890-7724-36	S - 32	92	97										
890-7724-37	S - 32	91	97										
890-7724-38	S - 32	92	95										
890-7724-39	S - 32	96	102										
890-7724-40	S - 32	94	98										
890-7724-41	S - 33	120	95										
890-7724-41 MS	S - 33	97	100										
890-7724-41 MSD	S - 33	96	101										
890-7724-42	S - 33	110	97										
890-7724-43	S - 33	110	94										

Surrogate Summary

Client: Carmona Resources
Job ID: 890-7724-1
Project/Site: HAYHURST PAD 10
SDG: 2628

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
890-7724-44	S - 33	112	96
890-7724-45	S - 33	112	97
890-7724-46	S - 35	109	95
890-7724-47	S - 35	114	96
890-7724-48	S - 35	112	96
890-7724-49	S - 35	112	96
890-7724-50	S - 35	108	94
890-7724-51	S - 36	111	93
890-7724-52	S - 36	107	95
890-7724-53	S - 36	112	94
890-7724-54	S - 36	104	93
890-7724-55	S - 36	111	96
LCS 880-103803/1-A	Lab Control Sample	112	101
LCS 880-103804/1-A	Lab Control Sample	95	106
LCS 880-103821/1-A	Lab Control Sample	93	108
LCS 880-103822/1-A	Lab Control Sample	97	110
LCSD 880-103803/2-A	Lab Control Sample Dup	109	101
LCSD 880-103804/2-A	Lab Control Sample Dup	95	104
LCSD 880-103821/2-A	Lab Control Sample Dup	92	108
LCSD 880-103822/2-A	Lab Control Sample Dup	94	105
MB 880-103803/5-A	Method Blank	149 S1+	94
MB 880-103804/5-A	Method Blank	108	89
MB 880-103821/5-A	Method Blank	87	95
MB 880-103822/5-A	Method Blank	111	89

Surrogate Legend

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

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
890-7724-1	S - 9	87	78
890-7724-1 MS	S - 9	89	76
890-7724-1 MSD	S - 9	93	76
890-7724-2	S - 9	80	73
890-7724-3	S - 9	82	74
890-7724-4	S - 9	86	76
890-7724-5	S - 9	90	81
890-7724-6	S - 11	81	74
890-7724-7	S - 11	86	78
890-7724-8	S - 11	90	80
890-7724-9	S - 11	91	81
890-7724-10	S - 11	90	80
890-7724-11	S - 12	95	84
890-7724-12	S - 12	81	72
890-7724-13	S - 12	96	86
890-7724-14	S - 12	81	72

Surrogate Summary

Client: Carmona Resources
Job ID: 890-7724-1
Project/Site: HAYHURST PAD 10
SDG: 2628

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-7724-15	S - 12	86	76										
890-7724-16	S - 13	89	79										
890-7724-17	S - 13	84	74										
890-7724-18	S - 13	87	78										
890-7724-19	S - 13	83	73										
890-7724-20	S - 13	84	74										
890-7724-21	S - 25	73	64 S1-										
890-7724-21 MS	S - 25	66 S1-	65 S1-										
890-7724-21 MSD	S - 25	68 S1-	68 S1-										
890-7724-22	S - 25	75	67 S1-										
890-7724-23	S - 25	73	66 S1-										
890-7724-24	S - 25	77	69 S1-										
890-7724-25	S - 25	71	64 S1-										
890-7724-26	S - 27	71	64 S1-										
890-7724-27	S - 27	70	63 S1-										
890-7724-28	S - 27	133 S1+	121										
890-7724-29	S - 27	70	63 S1-										
890-7724-30	S - 27	71	64 S1-										
890-7724-31	S - 28	145 S1+	129										
890-7724-32	S - 28	132 S1+	119										
890-7724-33	S - 28	72	64 S1-										
890-7724-34	S - 28	72	66 S1-										
890-7724-35	S - 28	114	102										
890-7724-36	S - 32	71	63 S1-										
890-7724-37	S - 32	75	67 S1-										
890-7724-38	S - 32	77	69 S1-										
890-7724-39	S - 32	72	66 S1-										
890-7724-40	S - 32	72	65 S1-										
890-7724-41	S - 33	119	106										
890-7724-41 MS	S - 33	123	113										
890-7724-41 MSD	S - 33	121	113										
890-7724-42	S - 33	119	104										
890-7724-43	S - 33	136 S1+	116										
890-7724-44	S - 33	121	102										
890-7724-45	S - 33	144 S1+	124										
890-7724-46	S - 35	131 S1+	116										
890-7724-47	S - 35	130	113										
890-7724-48	S - 35	141 S1+	127										
890-7724-49	S - 35	131 S1+	116										
890-7724-50	S - 35	133 S1+	117										
890-7724-51	S - 36	135 S1+	117										
890-7724-52	S - 36	134 S1+	114										
890-7724-53	S - 36	123	110										
890-7724-54	S - 36	134 S1+	118										
890-7724-55	S - 36	132 S1+	118										
890-7729-A-10-B MS	Matrix Spike	87	77										
890-7729-A-10-C MSD	Matrix Spike Duplicate	87	77										
890-7729-A-19-B MS	Matrix Spike	120	121										
890-7729-A-19-C MSD	Matrix Spike Duplicate	126	125										
LCS 880-103778/2-A	Lab Control Sample	89	79										

Surrogate Summary

Client: Carmona Resources
Job ID: 890-7724-1
Project/Site: HAYHURST PAD 10
SDG: 2628

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCS 880-103779/2-A	Lab Control Sample	64 S1-	66 S1-								
LCS 880-103780/2-A	Lab Control Sample	108	106								
LCS 880-103893/2-A	Lab Control Sample	95	83								
LCS 880-103894/2-A	Lab Control Sample	71	74								
LCSD 880-103778/3-A	Lab Control Sample Dup	87	78								
LCSD 880-103779/3-A	Lab Control Sample Dup	64 S1-	66 S1-								
LCSD 880-103780/3-A	Lab Control Sample Dup	108	104								
LCSD 880-103893/3-A	Lab Control Sample Dup	94	81								
LCSD 880-103894/3-A	Lab Control Sample Dup	71	73								
MB 880-103778/1-A	Method Blank	114	104								
MB 880-103779/1-A	Method Blank	88	78								
MB 880-103780/1-A	Method Blank	182 S1+	172 S1+								
MB 880-103893/1-A	Method Blank	112	102								
MB 880-103894/1-A	Method Blank	124	114								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-103803/5-A
Matrix: Solid
Analysis Batch: 103811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 13:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 13:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 13:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 08:15	02/27/25 13:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:15	02/27/25 13:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 08:15	02/27/25 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*02/27/25 08:15*	*02/27/25 13:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/27/25 08:15*	*02/27/25 13:03*	*1*

Lab Sample ID: LCS 880-103803/1-A
Matrix: Solid
Analysis Batch: 103811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103803

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1195		mg/Kg		119	70 - 130		
Toluene			0.100	0.1195		mg/Kg		120	70 - 130		
Ethylbenzene			0.100	0.1201		mg/Kg		120	70 - 130		
m-Xylene & p-Xylene			0.200	0.2515		mg/Kg		126	70 - 130		
o-Xylene			0.100	0.1192		mg/Kg		119	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-103803/2-A
Matrix: Solid
Analysis Batch: 103811

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103803

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1120		mg/Kg		112	70 - 130	6	35
Toluene			0.100	0.1090		mg/Kg		109	70 - 130	9	35
Ethylbenzene			0.100	0.1083		mg/Kg		108	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2157		mg/Kg		108	70 - 130	15	35
o-Xylene			0.100	0.1042		mg/Kg		104	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-7724-1 MS
Matrix: Solid
Analysis Batch: 103811

Client Sample ID: S - 9
Prep Type: Total/NA
Prep Batch: 103803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.1147		mg/Kg		115	70 - 130		
Toluene	<0.00199	U	0.100	0.1106		mg/Kg		111	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: 890-7724-1 MS
Matrix: Solid
Analysis Batch: 103811

Client Sample ID: S - 9
Prep Type: Total/NA
Prep Batch: 103803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.1198		mg/Kg		120	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2533		mg/Kg		127	70 - 130
o-Xylene	<0.00199	U	0.100	0.1197		mg/Kg		120	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-7724-1 MSD
Matrix: Solid
Analysis Batch: 103811

Client Sample ID: S - 9
Prep Type: Total/NA
Prep Batch: 103803

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	0.1092		mg/Kg		109	70 - 130	5	35
Toluene	<0.00199	U	0.100	0.09863		mg/Kg		99	70 - 130	11	35
Ethylbenzene	<0.00199	U	0.100	0.1025		mg/Kg		103	70 - 130	15	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2097		mg/Kg		105	70 - 130	19	35
o-Xylene	<0.00199	U	0.100	0.09966		mg/Kg		100	70 - 130	18	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: MB 880-103804/5-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103804

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 11:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 08:16	02/27/25 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 11:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 08:16	02/27/25 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*02/27/25 08:16*	*02/27/25 11:34*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/27/25 08:16*	*02/27/25 11:34*	*1*

Lab Sample ID: LCS 880-103804/1-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1015		mg/Kg		101	70 - 130
Toluene	0.100	0.1047		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.09423		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1913		mg/Kg		96	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: LCS 880-103804/1-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103804

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09663		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-103804/2-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103804

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1042		mg/Kg		104	70 - 130	3	35
Toluene			0.100	0.1068		mg/Kg		107	70 - 130	2	35
Ethylbenzene			0.100	0.09679		mg/Kg		97	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1958		mg/Kg		98	70 - 130	2	35
o-Xylene			0.100	0.09949		mg/Kg		99	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-103821/5-A
Matrix: Solid
Analysis Batch: 103810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 11:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 08:47	02/27/25 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:47	02/27/25 11:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 08:47	02/27/25 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*02/27/25 08:47*	*02/27/25 11:34*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/27/25 08:47*	*02/27/25 11:34*	*1*

Lab Sample ID: LCS 880-103821/1-A
Matrix: Solid
Analysis Batch: 103810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103821

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1099		mg/Kg		110	70 - 130		
Toluene			0.100	0.09351		mg/Kg		94	70 - 130		
Ethylbenzene			0.100	0.09570		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1918		mg/Kg		96	70 - 130		
o-Xylene			0.100	0.09478		mg/Kg		95	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: LCS 880-103821/1-A
Matrix: Solid
Analysis Batch: 103810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103821

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-103821/2-A
Matrix: Solid
Analysis Batch: 103810

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103821

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1104		mg/Kg		110	70 - 130	0	35
Toluene			0.100	0.09284		mg/Kg		93	70 - 130	1	35
Ethylbenzene			0.100	0.09596		mg/Kg		96	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1928		mg/Kg		96	70 - 130	1	35
o-Xylene			0.100	0.09539		mg/Kg		95	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-7724-21 MS
Matrix: Solid
Analysis Batch: 103810

Client Sample ID: S - 25
Prep Type: Total/NA
Prep Batch: 103821

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1163		mg/Kg		116	70 - 130
Toluene	<0.00199	U	0.100	0.09585		mg/Kg		96	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.09941		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2296		mg/Kg		115	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.1120		mg/Kg		112	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 890-7724-21 MSD
Matrix: Solid
Analysis Batch: 103810

Client Sample ID: S - 25
Prep Type: Total/NA
Prep Batch: 103821

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	0.1230		mg/Kg		123	70 - 130	6	35
Toluene	<0.00199	U	0.100	0.1027		mg/Kg		103	70 - 130	7	35
Ethylbenzene	<0.00199	U	0.100	0.09586		mg/Kg		96	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2027		mg/Kg		101	70 - 130	12	35
o-Xylene	<0.00199	U F1	0.100	0.1318	F1	mg/Kg		132	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: MB 880-103822/5-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 22:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 22:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 22:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 08:49	02/27/25 22:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 22:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 08:49	02/27/25 22:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/27/25 08:49*	*02/27/25 22:26*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/27/25 08:49*	*02/27/25 22:26*	*1*

Lab Sample ID: LCS 880-103822/1-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103822

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1205		mg/Kg		121	70 - 130		
Toluene			0.100	0.1198		mg/Kg		120	70 - 130		
Ethylbenzene			0.100	0.1075		mg/Kg		108	70 - 130		
m-Xylene & p-Xylene			0.200	0.2181		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1098		mg/Kg		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-103822/2-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103822

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1142		mg/Kg		114	70 - 130	5	35
Toluene			0.100	0.1149		mg/Kg		115	70 - 130	4	35
Ethylbenzene			0.100	0.1021		mg/Kg		102	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2057		mg/Kg		103	70 - 130	6	35
o-Xylene			0.100	0.1037		mg/Kg		104	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-7724-41 MS
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: S - 33
Prep Type: Total/NA
Prep Batch: 103822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.100	0.06566	F1	mg/Kg		66	70 - 130		
Toluene	<0.00199	U F1	0.100	0.04655	F1	mg/Kg		47	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: 890-7724-41 MS
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: S - 33
Prep Type: Total/NA
Prep Batch: 103822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.100	0.03137	F1	mg/Kg		31	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.06176	F1	mg/Kg		31	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.03469	F1	mg/Kg		35	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-7724-41 MSD
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: S - 33
Prep Type: Total/NA
Prep Batch: 103822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.07523		mg/Kg		75	70 - 130	14	35
Toluene	<0.00199	U F1	0.100	0.05363	F1	mg/Kg		54	70 - 130	14	35
Ethylbenzene	<0.00199	U F1	0.100	0.03533	F1	mg/Kg		35	70 - 130	12	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.06921	F1	mg/Kg		35	70 - 130	11	35
o-Xylene	<0.00199	U F1	0.100	0.03894	F1	mg/Kg		39	70 - 130	12	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 880-103778/1-A
Matrix: Solid
Analysis Batch: 103816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103778

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		02/26/25 16:46	02/27/25 17:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:46	02/27/25 17:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:46	02/27/25 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*02/26/25 16:46*	*02/27/25 17:31*	*1*
o-Terphenyl	*104*		*70 - 130*	*02/26/25 16:46*	*02/27/25 17:31*	*1*

Lab Sample ID: LCS 880-103778/2-A
Matrix: Solid
Analysis Batch: 103816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	975.0		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	963.8		mg/Kg		96	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: LCS 880-103778/2-A
Matrix: Solid
Analysis Batch: 103816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103778

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: LCSD 880-103778/3-A
Matrix: Solid
Analysis Batch: 103816

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103778

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	951.0		mg/Kg		95	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	928.0		mg/Kg		93	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 890-7724-1 MS
Matrix: Solid
Analysis Batch: 103816

Client Sample ID: S - 9
Prep Type: Total/NA
Prep Batch: 103778

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	787.7		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	770.0		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 890-7724-1 MSD
Matrix: Solid
Analysis Batch: 103816

Client Sample ID: S - 9
Prep Type: Total/NA
Prep Batch: 103778

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	778.5		mg/Kg		78	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	754.1		mg/Kg		76	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	76		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: MB 880-103779/1-A
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103779

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		02/26/25 16:46	02/28/25 02:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:46	02/28/25 02:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:46	02/28/25 02:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*02/26/25 16:46*	*02/28/25 02:32*	*1*
o-Terphenyl	*78*		*70 - 130*	*02/26/25 16:46*	*02/28/25 02:32*	*1*

Lab Sample ID: LCS 880-103779/2-A
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103779

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	909.0		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	862.7		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*64*	*S1-*	*70 - 130*
o-Terphenyl	*66*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-103779/3-A
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103779

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	878.7		mg/Kg		88	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	867.6		mg/Kg		87	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*64*	*S1-*	*70 - 130*
o-Terphenyl	*66*	*S1-*	*70 - 130*

Lab Sample ID: 890-7724-21 MS
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: S - 25
Prep Type: Total/NA
Prep Batch: 103779

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 F1	995	606.5	F1	mg/Kg		61	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	581.0	F1	mg/Kg		58	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: 890-7724-21 MS
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: S - 25
Prep Type: Total/NA
Prep Batch: 103779

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	66	S1-	70 - 130
o-Terphenyl	65	S1-	70 - 130

Lab Sample ID: 890-7724-21 MSD
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: S - 25
Prep Type: Total/NA
Prep Batch: 103779

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 F1	995	601.3	F1	mg/Kg		60	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	607.9	F1	mg/Kg		61	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	68	S1-	70 - 130
o-Terphenyl	68	S1-	70 - 130

Lab Sample ID: MB 880-103780/1-A
Matrix: Solid
Analysis Batch: 103820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103780

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		02/26/25 16:47	02/27/25 18:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 18:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 16:47	02/27/25 18:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	182	S1+	70 - 130	02/26/25 16:47	02/27/25 18:31	1
o-Terphenyl	172	S1+	70 - 130	02/26/25 16:47	02/27/25 18:31	1

Lab Sample ID: LCS 880-103780/2-A
Matrix: Solid
Analysis Batch: 103820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	989.3		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	963.0		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	106		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: LCSD 880-103780/3-A
Matrix: Solid
Analysis Batch: 103820

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103780

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	996.7		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	955.4		mg/Kg		96	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 890-7724-41 MS
Matrix: Solid
Analysis Batch: 103820

Client Sample ID: S - 33
Prep Type: Total/NA
Prep Batch: 103780

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	997	1062		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	984.3		mg/Kg		99	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*123*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: 890-7724-41 MSD
Matrix: Solid
Analysis Batch: 103820

Client Sample ID: S - 33
Prep Type: Total/NA
Prep Batch: 103780

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1004		mg/Kg		101	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	971.5		mg/Kg		97	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: MB 880-103893/1-A
Matrix: Solid
Analysis Batch: 103974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103893

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		02/27/25 14:55	02/28/25 07:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 14:55	02/28/25 07:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 14:55	02/28/25 07:35	1

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: MB 880-103893/1-A
Matrix: Solid
Analysis Batch: 103974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103893

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	02/27/25 14:55	02/28/25 07:35	1
o-Terphenyl	102		70 - 130	02/27/25 14:55	02/28/25 07:35	1

Lab Sample ID: LCS 880-103893/2-A
Matrix: Solid
Analysis Batch: 103974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103893

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1016		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1008		mg/Kg		101	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-103893/3-A
Matrix: Solid
Analysis Batch: 103974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103893

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1014		mg/Kg		101	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	988.5		mg/Kg		99	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 890-7729-A-10-B MS
Matrix: Solid
Analysis Batch: 103974

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103893

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	995	735.5		mg/Kg		74	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	995	792.8		mg/Kg		78	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	77		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: 890-7729-A-10-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103974 — **Prep Batch: 103893**

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	995	753.0		mg/Kg		76	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	995	781.6		mg/Kg		77	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: MB 880-103894/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103976 — **Prep Batch: 103894**

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		02/27/25 14:55	02/28/25 09:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 14:55	02/28/25 09:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 14:55	02/28/25 09:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*02/27/25 14:55*	*02/28/25 09:59*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/27/25 14:55*	*02/28/25 09:59*	*1*

Lab Sample ID: LCS 880-103894/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103976 — **Prep Batch: 103894**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	882.5		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	865.9		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*74*		*70 - 130*

Lab Sample ID: LCSD 880-103894/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103976 — **Prep Batch: 103894**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	918.6		mg/Kg		92	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	879.2		mg/Kg		88	70 - 130	2	20

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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

Lab Sample ID: LCSD 880-103894/3-A
Matrix: Solid
Analysis Batch: 103976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103894

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: 890-7729-A-19-B MS
Matrix: Solid
Analysis Batch: 103976

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103894

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	995	791.4		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	995	789.9		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 890-7729-A-19-C MSD
Matrix: Solid
Analysis Batch: 103976

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103894

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	995	921.5		mg/Kg		93	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.9	U	995	875.5		mg/Kg		88	70 - 130	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	125		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-103858/1-A
Matrix: Solid
Analysis Batch: 103884

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			03/01/25 12:12	1

Lab Sample ID: LCS 880-103858/2-A
Matrix: Solid
Analysis Batch: 103884

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.8		mg/Kg		101	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-103858/3-A
Matrix: Solid
Analysis Batch: 103884

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	256.3		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-54955-A-4-D MS
Matrix: Solid
Analysis Batch: 103884

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	11300	F1	5050	19960	F1	mg/Kg		171	90 - 110

Lab Sample ID: 880-54955-A-4-E MSD
Matrix: Solid
Analysis Batch: 103884

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	11300	F1	5050	19970	F1	mg/Kg		171	90 - 110	0	20

Lab Sample ID: MB 880-103859/1-A
Matrix: Solid
Analysis Batch: 103887

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			02/28/25 08:26	1

Lab Sample ID: LCS 880-103859/2-A
Matrix: Solid
Analysis Batch: 103887

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	231.4		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-103859/3-A
Matrix: Solid
Analysis Batch: 103887

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	232.4		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 890-7724-2 MS
Matrix: Solid
Analysis Batch: 103887

Client Sample ID: S - 9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2800		2480	5410		mg/Kg		105	90 - 110

Lab Sample ID: 890-7724-2 MSD
Matrix: Solid
Analysis Batch: 103887

Client Sample ID: S - 9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2800		2480	5435		mg/Kg		106	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-7724-12 MS
Matrix: Solid
Analysis Batch: 103887

Client Sample ID: S - 12
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2360		1250	3636		mg/Kg		102	90 - 110

Lab Sample ID: 890-7724-12 MSD
Matrix: Solid
Analysis Batch: 103887

Client Sample ID: S - 12
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2360		1250	3631		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-103860/1-A
Matrix: Solid
Analysis Batch: 103896

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			03/01/25 12:48	1

Lab Sample ID: LCS 880-103860/2-A
Matrix: Solid
Analysis Batch: 103896

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.3		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-103860/3-A
Matrix: Solid
Analysis Batch: 103896

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.4		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-7724-22 MS
Matrix: Solid
Analysis Batch: 103896

Client Sample ID: S - 25
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	23.3		251	259.3		mg/Kg		94	90 - 110

Lab Sample ID: 890-7724-22 MSD
Matrix: Solid
Analysis Batch: 103896

Client Sample ID: S - 25
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23.3		251	260.4		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-7724-32 MS
Matrix: Solid
Analysis Batch: 103896

Client Sample ID: S - 28
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.98	U	250	243.5		mg/Kg		95	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-7724-32 MSD — **Client Sample ID: S - 28**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.98	U	250	243.9		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-103861/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/28/25 21:12	1

Lab Sample ID: LCS 880-103861/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-103861/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103897

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	263.2		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-7724-46 MS — **Client Sample ID: S - 35**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	115	F1	250	391.8	F1	mg/Kg		111	90 - 110

Lab Sample ID: 890-7724-46 MSD — **Client Sample ID: S - 35**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 103897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	115	F1	250	391.7	F1	mg/Kg		111	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

GC VOA

Prep Batch: 103803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-1	S - 9	Total/NA	Solid	5035	
890-7724-2	S - 9	Total/NA	Solid	5035	
890-7724-3	S - 9	Total/NA	Solid	5035	
890-7724-4	S - 9	Total/NA	Solid	5035	
890-7724-5	S - 9	Total/NA	Solid	5035	
890-7724-6	S - 11	Total/NA	Solid	5035	
890-7724-7	S - 11	Total/NA	Solid	5035	
890-7724-8	S - 11	Total/NA	Solid	5035	
890-7724-9	S - 11	Total/NA	Solid	5035	
890-7724-10	S - 11	Total/NA	Solid	5035	
890-7724-11	S - 12	Total/NA	Solid	5035	
890-7724-12	S - 12	Total/NA	Solid	5035	
890-7724-13	S - 12	Total/NA	Solid	5035	
890-7724-14	S - 12	Total/NA	Solid	5035	
890-7724-15	S - 12	Total/NA	Solid	5035	
890-7724-16	S - 13	Total/NA	Solid	5035	
890-7724-17	S - 13	Total/NA	Solid	5035	
890-7724-18	S - 13	Total/NA	Solid	5035	
890-7724-19	S - 13	Total/NA	Solid	5035	
890-7724-20	S - 13	Total/NA	Solid	5035	
MB 880-103803/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103803/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103803/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7724-1 MS	S - 9	Total/NA	Solid	5035	
890-7724-1 MSD	S - 9	Total/NA	Solid	5035	

Prep Batch: 103804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-51	S - 36	Total/NA	Solid	5035	
890-7724-52	S - 36	Total/NA	Solid	5035	
890-7724-53	S - 36	Total/NA	Solid	5035	
890-7724-54	S - 36	Total/NA	Solid	5035	
890-7724-55	S - 36	Total/NA	Solid	5035	
MB 880-103804/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103804/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103804/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 103807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-41	S - 33	Total/NA	Solid	8021B	103822
890-7724-42	S - 33	Total/NA	Solid	8021B	103822
890-7724-43	S - 33	Total/NA	Solid	8021B	103822
890-7724-44	S - 33	Total/NA	Solid	8021B	103822
890-7724-45	S - 33	Total/NA	Solid	8021B	103822
890-7724-46	S - 35	Total/NA	Solid	8021B	103822
890-7724-47	S - 35	Total/NA	Solid	8021B	103822
890-7724-48	S - 35	Total/NA	Solid	8021B	103822
890-7724-49	S - 35	Total/NA	Solid	8021B	103822
890-7724-50	S - 35	Total/NA	Solid	8021B	103822
890-7724-51	S - 36	Total/NA	Solid	8021B	103804
890-7724-52	S - 36	Total/NA	Solid	8021B	103804

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

GC VOA (Continued)

Analysis Batch: 103807 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-53	S - 36	Total/NA	Solid	8021B	103804
890-7724-54	S - 36	Total/NA	Solid	8021B	103804
890-7724-55	S - 36	Total/NA	Solid	8021B	103804
MB 880-103804/5-A	Method Blank	Total/NA	Solid	8021B	103804
MB 880-103822/5-A	Method Blank	Total/NA	Solid	8021B	103822
LCS 880-103804/1-A	Lab Control Sample	Total/NA	Solid	8021B	103804
LCS 880-103822/1-A	Lab Control Sample	Total/NA	Solid	8021B	103822
LCSD 880-103804/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103804
LCSD 880-103822/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103822
890-7724-41 MS	S - 33	Total/NA	Solid	8021B	103822
890-7724-41 MSD	S - 33	Total/NA	Solid	8021B	103822

Analysis Batch: 103810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-21	S - 25	Total/NA	Solid	8021B	103821
890-7724-22	S - 25	Total/NA	Solid	8021B	103821
890-7724-23	S - 25	Total/NA	Solid	8021B	103821
890-7724-24	S - 25	Total/NA	Solid	8021B	103821
890-7724-25	S - 25	Total/NA	Solid	8021B	103821
890-7724-26	S - 27	Total/NA	Solid	8021B	103821
890-7724-27	S - 27	Total/NA	Solid	8021B	103821
890-7724-28	S - 27	Total/NA	Solid	8021B	103821
890-7724-29	S - 27	Total/NA	Solid	8021B	103821
890-7724-30	S - 27	Total/NA	Solid	8021B	103821
890-7724-31	S - 28	Total/NA	Solid	8021B	103821
890-7724-32	S - 28	Total/NA	Solid	8021B	103821
890-7724-33	S - 28	Total/NA	Solid	8021B	103821
890-7724-34	S - 28	Total/NA	Solid	8021B	103821
890-7724-35	S - 28	Total/NA	Solid	8021B	103821
890-7724-36	S - 32	Total/NA	Solid	8021B	103821
890-7724-37	S - 32	Total/NA	Solid	8021B	103821
890-7724-38	S - 32	Total/NA	Solid	8021B	103821
890-7724-39	S - 32	Total/NA	Solid	8021B	103821
890-7724-40	S - 32	Total/NA	Solid	8021B	103821
MB 880-103821/5-A	Method Blank	Total/NA	Solid	8021B	103821
LCS 880-103821/1-A	Lab Control Sample	Total/NA	Solid	8021B	103821
LCSD 880-103821/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103821
890-7724-21 MS	S - 25	Total/NA	Solid	8021B	103821
890-7724-21 MSD	S - 25	Total/NA	Solid	8021B	103821

Analysis Batch: 103811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-1	S - 9	Total/NA	Solid	8021B	103803
890-7724-2	S - 9	Total/NA	Solid	8021B	103803
890-7724-3	S - 9	Total/NA	Solid	8021B	103803
890-7724-4	S - 9	Total/NA	Solid	8021B	103803
890-7724-5	S - 9	Total/NA	Solid	8021B	103803
890-7724-6	S - 11	Total/NA	Solid	8021B	103803
890-7724-7	S - 11	Total/NA	Solid	8021B	103803
890-7724-8	S - 11	Total/NA	Solid	8021B	103803
890-7724-9	S - 11	Total/NA	Solid	8021B	103803

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

GC VOA (Continued)

Analysis Batch: 103811 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-10	S - 11	Total/NA	Solid	8021B	103803
890-7724-11	S - 12	Total/NA	Solid	8021B	103803
890-7724-12	S - 12	Total/NA	Solid	8021B	103803
890-7724-13	S - 12	Total/NA	Solid	8021B	103803
890-7724-14	S - 12	Total/NA	Solid	8021B	103803
890-7724-15	S - 12	Total/NA	Solid	8021B	103803
890-7724-16	S - 13	Total/NA	Solid	8021B	103803
890-7724-17	S - 13	Total/NA	Solid	8021B	103803
890-7724-18	S - 13	Total/NA	Solid	8021B	103803
890-7724-19	S - 13	Total/NA	Solid	8021B	103803
890-7724-20	S - 13	Total/NA	Solid	8021B	103803
MB 880-103803/5-A	Method Blank	Total/NA	Solid	8021B	103803
LCS 880-103803/1-A	Lab Control Sample	Total/NA	Solid	8021B	103803
LCSD 880-103803/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103803
890-7724-1 MS	S - 9	Total/NA	Solid	8021B	103803
890-7724-1 MSD	S - 9	Total/NA	Solid	8021B	103803

Prep Batch: 103821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-21	S - 25	Total/NA	Solid	5035	
890-7724-22	S - 25	Total/NA	Solid	5035	
890-7724-23	S - 25	Total/NA	Solid	5035	
890-7724-24	S - 25	Total/NA	Solid	5035	
890-7724-25	S - 25	Total/NA	Solid	5035	
890-7724-26	S - 27	Total/NA	Solid	5035	
890-7724-27	S - 27	Total/NA	Solid	5035	
890-7724-28	S - 27	Total/NA	Solid	5035	
890-7724-29	S - 27	Total/NA	Solid	5035	
890-7724-30	S - 27	Total/NA	Solid	5035	
890-7724-31	S - 28	Total/NA	Solid	5035	
890-7724-32	S - 28	Total/NA	Solid	5035	
890-7724-33	S - 28	Total/NA	Solid	5035	
890-7724-34	S - 28	Total/NA	Solid	5035	
890-7724-35	S - 28	Total/NA	Solid	5035	
890-7724-36	S - 32	Total/NA	Solid	5035	
890-7724-37	S - 32	Total/NA	Solid	5035	
890-7724-38	S - 32	Total/NA	Solid	5035	
890-7724-39	S - 32	Total/NA	Solid	5035	
890-7724-40	S - 32	Total/NA	Solid	5035	
MB 880-103821/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103821/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103821/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7724-21 MS	S - 25	Total/NA	Solid	5035	
890-7724-21 MSD	S - 25	Total/NA	Solid	5035	

Prep Batch: 103822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-41	S - 33	Total/NA	Solid	5035	
890-7724-42	S - 33	Total/NA	Solid	5035	
890-7724-43	S - 33	Total/NA	Solid	5035	
890-7724-44	S - 33	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

GC VOA (Continued)

Prep Batch: 103822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-45	S - 33	Total/NA	Solid	5035	
890-7724-46	S - 35	Total/NA	Solid	5035	
890-7724-47	S - 35	Total/NA	Solid	5035	
890-7724-48	S - 35	Total/NA	Solid	5035	
890-7724-49	S - 35	Total/NA	Solid	5035	
890-7724-50	S - 35	Total/NA	Solid	5035	
MB 880-103822/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103822/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103822/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7724-41 MS	S - 33	Total/NA	Solid	5035	
890-7724-41 MSD	S - 33	Total/NA	Solid	5035	

Analysis Batch: 104018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-1	S - 9	Total/NA	Solid	Total BTEX	
890-7724-2	S - 9	Total/NA	Solid	Total BTEX	
890-7724-3	S - 9	Total/NA	Solid	Total BTEX	
890-7724-4	S - 9	Total/NA	Solid	Total BTEX	
890-7724-5	S - 9	Total/NA	Solid	Total BTEX	
890-7724-6	S - 11	Total/NA	Solid	Total BTEX	
890-7724-7	S - 11	Total/NA	Solid	Total BTEX	
890-7724-8	S - 11	Total/NA	Solid	Total BTEX	
890-7724-9	S - 11	Total/NA	Solid	Total BTEX	
890-7724-10	S - 11	Total/NA	Solid	Total BTEX	
890-7724-11	S - 12	Total/NA	Solid	Total BTEX	
890-7724-12	S - 12	Total/NA	Solid	Total BTEX	
890-7724-13	S - 12	Total/NA	Solid	Total BTEX	
890-7724-14	S - 12	Total/NA	Solid	Total BTEX	
890-7724-15	S - 12	Total/NA	Solid	Total BTEX	
890-7724-16	S - 13	Total/NA	Solid	Total BTEX	
890-7724-17	S - 13	Total/NA	Solid	Total BTEX	
890-7724-18	S - 13	Total/NA	Solid	Total BTEX	
890-7724-19	S - 13	Total/NA	Solid	Total BTEX	
890-7724-20	S - 13	Total/NA	Solid	Total BTEX	
890-7724-21	S - 25	Total/NA	Solid	Total BTEX	
890-7724-22	S - 25	Total/NA	Solid	Total BTEX	
890-7724-23	S - 25	Total/NA	Solid	Total BTEX	
890-7724-24	S - 25	Total/NA	Solid	Total BTEX	
890-7724-25	S - 25	Total/NA	Solid	Total BTEX	
890-7724-26	S - 27	Total/NA	Solid	Total BTEX	
890-7724-27	S - 27	Total/NA	Solid	Total BTEX	
890-7724-28	S - 27	Total/NA	Solid	Total BTEX	
890-7724-29	S - 27	Total/NA	Solid	Total BTEX	
890-7724-30	S - 27	Total/NA	Solid	Total BTEX	
890-7724-31	S - 28	Total/NA	Solid	Total BTEX	
890-7724-32	S - 28	Total/NA	Solid	Total BTEX	
890-7724-33	S - 28	Total/NA	Solid	Total BTEX	
890-7724-34	S - 28	Total/NA	Solid	Total BTEX	
890-7724-35	S - 28	Total/NA	Solid	Total BTEX	
890-7724-36	S - 32	Total/NA	Solid	Total BTEX	
890-7724-37	S - 32	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

GC VOA (Continued)

Analysis Batch: 104018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-38	S - 32	Total/NA	Solid	Total BTEX	
890-7724-39	S - 32	Total/NA	Solid	Total BTEX	
890-7724-40	S - 32	Total/NA	Solid	Total BTEX	
890-7724-41	S - 33	Total/NA	Solid	Total BTEX	
890-7724-42	S - 33	Total/NA	Solid	Total BTEX	
890-7724-43	S - 33	Total/NA	Solid	Total BTEX	
890-7724-44	S - 33	Total/NA	Solid	Total BTEX	
890-7724-45	S - 33	Total/NA	Solid	Total BTEX	
890-7724-46	S - 35	Total/NA	Solid	Total BTEX	
890-7724-47	S - 35	Total/NA	Solid	Total BTEX	
890-7724-48	S - 35	Total/NA	Solid	Total BTEX	
890-7724-49	S - 35	Total/NA	Solid	Total BTEX	
890-7724-50	S - 35	Total/NA	Solid	Total BTEX	
890-7724-51	S - 36	Total/NA	Solid	Total BTEX	
890-7724-52	S - 36	Total/NA	Solid	Total BTEX	
890-7724-53	S - 36	Total/NA	Solid	Total BTEX	
890-7724-54	S - 36	Total/NA	Solid	Total BTEX	
890-7724-55	S - 36	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 103778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-1	S - 9	Total/NA	Solid	8015NM Prep	
890-7724-2	S - 9	Total/NA	Solid	8015NM Prep	
890-7724-3	S - 9	Total/NA	Solid	8015NM Prep	
890-7724-4	S - 9	Total/NA	Solid	8015NM Prep	
890-7724-5	S - 9	Total/NA	Solid	8015NM Prep	
890-7724-6	S - 11	Total/NA	Solid	8015NM Prep	
890-7724-7	S - 11	Total/NA	Solid	8015NM Prep	
890-7724-8	S - 11	Total/NA	Solid	8015NM Prep	
890-7724-9	S - 11	Total/NA	Solid	8015NM Prep	
890-7724-10	S - 11	Total/NA	Solid	8015NM Prep	
890-7724-11	S - 12	Total/NA	Solid	8015NM Prep	
890-7724-12	S - 12	Total/NA	Solid	8015NM Prep	
890-7724-13	S - 12	Total/NA	Solid	8015NM Prep	
890-7724-14	S - 12	Total/NA	Solid	8015NM Prep	
890-7724-15	S - 12	Total/NA	Solid	8015NM Prep	
890-7724-16	S - 13	Total/NA	Solid	8015NM Prep	
890-7724-17	S - 13	Total/NA	Solid	8015NM Prep	
890-7724-18	S - 13	Total/NA	Solid	8015NM Prep	
890-7724-19	S - 13	Total/NA	Solid	8015NM Prep	
890-7724-20	S - 13	Total/NA	Solid	8015NM Prep	
MB 880-103778/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103778/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103778/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7724-1 MS	S - 9	Total/NA	Solid	8015NM Prep	
890-7724-1 MSD	S - 9	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

GC Semi VOA

Prep Batch: 103779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-21	S - 25	Total/NA	Solid	8015NM Prep	
890-7724-22	S - 25	Total/NA	Solid	8015NM Prep	
890-7724-23	S - 25	Total/NA	Solid	8015NM Prep	
890-7724-24	S - 25	Total/NA	Solid	8015NM Prep	
890-7724-25	S - 25	Total/NA	Solid	8015NM Prep	
890-7724-26	S - 27	Total/NA	Solid	8015NM Prep	
890-7724-27	S - 27	Total/NA	Solid	8015NM Prep	
890-7724-29	S - 27	Total/NA	Solid	8015NM Prep	
890-7724-30	S - 27	Total/NA	Solid	8015NM Prep	
890-7724-33	S - 28	Total/NA	Solid	8015NM Prep	
890-7724-34	S - 28	Total/NA	Solid	8015NM Prep	
890-7724-36	S - 32	Total/NA	Solid	8015NM Prep	
890-7724-37	S - 32	Total/NA	Solid	8015NM Prep	
890-7724-38	S - 32	Total/NA	Solid	8015NM Prep	
890-7724-39	S - 32	Total/NA	Solid	8015NM Prep	
890-7724-40	S - 32	Total/NA	Solid	8015NM Prep	
MB 880-103779/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103779/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103779/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7724-21 MS	S - 25	Total/NA	Solid	8015NM Prep	
890-7724-21 MSD	S - 25	Total/NA	Solid	8015NM Prep	

Prep Batch: 103780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-41	S - 33	Total/NA	Solid	8015NM Prep	
890-7724-42	S - 33	Total/NA	Solid	8015NM Prep	
890-7724-43	S - 33	Total/NA	Solid	8015NM Prep	
890-7724-44	S - 33	Total/NA	Solid	8015NM Prep	
890-7724-45	S - 33	Total/NA	Solid	8015NM Prep	
890-7724-46	S - 35	Total/NA	Solid	8015NM Prep	
890-7724-47	S - 35	Total/NA	Solid	8015NM Prep	
890-7724-48	S - 35	Total/NA	Solid	8015NM Prep	
890-7724-49	S - 35	Total/NA	Solid	8015NM Prep	
890-7724-50	S - 35	Total/NA	Solid	8015NM Prep	
890-7724-51	S - 36	Total/NA	Solid	8015NM Prep	
890-7724-52	S - 36	Total/NA	Solid	8015NM Prep	
890-7724-53	S - 36	Total/NA	Solid	8015NM Prep	
890-7724-54	S - 36	Total/NA	Solid	8015NM Prep	
890-7724-55	S - 36	Total/NA	Solid	8015NM Prep	
MB 880-103780/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103780/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103780/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7724-41 MS	S - 33	Total/NA	Solid	8015NM Prep	
890-7724-41 MSD	S - 33	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-1	S - 9	Total/NA	Solid	8015B NM	103778
890-7724-2	S - 9	Total/NA	Solid	8015B NM	103778
890-7724-3	S - 9	Total/NA	Solid	8015B NM	103778
890-7724-4	S - 9	Total/NA	Solid	8015B NM	103778

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

GC Semi VOA (Continued)

Analysis Batch: 103816 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-5	S - 9	Total/NA	Solid	8015B NM	103778
890-7724-6	S - 11	Total/NA	Solid	8015B NM	103778
890-7724-7	S - 11	Total/NA	Solid	8015B NM	103778
890-7724-8	S - 11	Total/NA	Solid	8015B NM	103778
890-7724-9	S - 11	Total/NA	Solid	8015B NM	103778
890-7724-10	S - 11	Total/NA	Solid	8015B NM	103778
890-7724-11	S - 12	Total/NA	Solid	8015B NM	103778
890-7724-12	S - 12	Total/NA	Solid	8015B NM	103778
890-7724-13	S - 12	Total/NA	Solid	8015B NM	103778
890-7724-14	S - 12	Total/NA	Solid	8015B NM	103778
890-7724-15	S - 12	Total/NA	Solid	8015B NM	103778
890-7724-16	S - 13	Total/NA	Solid	8015B NM	103778
890-7724-17	S - 13	Total/NA	Solid	8015B NM	103778
890-7724-18	S - 13	Total/NA	Solid	8015B NM	103778
890-7724-19	S - 13	Total/NA	Solid	8015B NM	103778
890-7724-20	S - 13	Total/NA	Solid	8015B NM	103778
MB 880-103778/1-A	Method Blank	Total/NA	Solid	8015B NM	103778
LCS 880-103778/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103778
LCSD 880-103778/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103778
890-7724-1 MS	S - 9	Total/NA	Solid	8015B NM	103778
890-7724-1 MSD	S - 9	Total/NA	Solid	8015B NM	103778

Analysis Batch: 103818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-21	S - 25	Total/NA	Solid	8015B NM	103779
890-7724-22	S - 25	Total/NA	Solid	8015B NM	103779
890-7724-23	S - 25	Total/NA	Solid	8015B NM	103779
890-7724-24	S - 25	Total/NA	Solid	8015B NM	103779
890-7724-25	S - 25	Total/NA	Solid	8015B NM	103779
890-7724-26	S - 27	Total/NA	Solid	8015B NM	103779
890-7724-27	S - 27	Total/NA	Solid	8015B NM	103779
890-7724-29	S - 27	Total/NA	Solid	8015B NM	103779
890-7724-30	S - 27	Total/NA	Solid	8015B NM	103779
890-7724-33	S - 28	Total/NA	Solid	8015B NM	103779
890-7724-34	S - 28	Total/NA	Solid	8015B NM	103779
890-7724-36	S - 32	Total/NA	Solid	8015B NM	103779
890-7724-37	S - 32	Total/NA	Solid	8015B NM	103779
890-7724-38	S - 32	Total/NA	Solid	8015B NM	103779
890-7724-39	S - 32	Total/NA	Solid	8015B NM	103779
890-7724-40	S - 32	Total/NA	Solid	8015B NM	103779
MB 880-103779/1-A	Method Blank	Total/NA	Solid	8015B NM	103779
LCS 880-103779/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103779
LCSD 880-103779/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103779
890-7724-21 MS	S - 25	Total/NA	Solid	8015B NM	103779
890-7724-21 MSD	S - 25	Total/NA	Solid	8015B NM	103779

Analysis Batch: 103820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-41	S - 33	Total/NA	Solid	8015B NM	103780
890-7724-42	S - 33	Total/NA	Solid	8015B NM	103780
890-7724-43	S - 33	Total/NA	Solid	8015B NM	103780

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

GC Semi VOA (Continued)

Analysis Batch: 103820 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-44	S - 33	Total/NA	Solid	8015B NM	103780
890-7724-45	S - 33	Total/NA	Solid	8015B NM	103780
890-7724-46	S - 35	Total/NA	Solid	8015B NM	103780
890-7724-47	S - 35	Total/NA	Solid	8015B NM	103780
890-7724-48	S - 35	Total/NA	Solid	8015B NM	103780
890-7724-49	S - 35	Total/NA	Solid	8015B NM	103780
890-7724-50	S - 35	Total/NA	Solid	8015B NM	103780
890-7724-51	S - 36	Total/NA	Solid	8015B NM	103780
890-7724-52	S - 36	Total/NA	Solid	8015B NM	103780
890-7724-53	S - 36	Total/NA	Solid	8015B NM	103780
890-7724-54	S - 36	Total/NA	Solid	8015B NM	103780
890-7724-55	S - 36	Total/NA	Solid	8015B NM	103780
MB 880-103780/1-A	Method Blank	Total/NA	Solid	8015B NM	103780
LCS 880-103780/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103780
LCSD 880-103780/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103780
890-7724-41 MS	S - 33	Total/NA	Solid	8015B NM	103780
890-7724-41 MSD	S - 33	Total/NA	Solid	8015B NM	103780

Prep Batch: 103893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-28	S - 27	Total/NA	Solid	8015NM Prep	
890-7724-31	S - 28	Total/NA	Solid	8015NM Prep	
890-7724-32	S - 28	Total/NA	Solid	8015NM Prep	
MB 880-103893/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103893/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103893/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7729-A-10-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7729-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 103894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-35	S - 28	Total/NA	Solid	8015NM Prep	
MB 880-103894/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103894/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103894/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7729-A-19-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7729-A-19-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-28	S - 27	Total/NA	Solid	8015B NM	103893
890-7724-31	S - 28	Total/NA	Solid	8015B NM	103893
890-7724-32	S - 28	Total/NA	Solid	8015B NM	103893
MB 880-103893/1-A	Method Blank	Total/NA	Solid	8015B NM	103893
LCS 880-103893/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103893
LCSD 880-103893/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103893
890-7729-A-10-B MS	Matrix Spike	Total/NA	Solid	8015B NM	103893
890-7729-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	103893

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

GC Semi VOA

Analysis Batch: 103976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-35	S - 28	Total/NA	Solid	8015B NM	103894
MB 880-103894/1-A	Method Blank	Total/NA	Solid	8015B NM	103894
LCS 880-103894/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103894
LCSD 880-103894/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103894
890-7729-A-19-B MS	Matrix Spike	Total/NA	Solid	8015B NM	103894
890-7729-A-19-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	103894

Analysis Batch: 103989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-1	S - 9	Total/NA	Solid	8015 NM	
890-7724-2	S - 9	Total/NA	Solid	8015 NM	
890-7724-3	S - 9	Total/NA	Solid	8015 NM	
890-7724-4	S - 9	Total/NA	Solid	8015 NM	
890-7724-5	S - 9	Total/NA	Solid	8015 NM	
890-7724-6	S - 11	Total/NA	Solid	8015 NM	
890-7724-7	S - 11	Total/NA	Solid	8015 NM	
890-7724-8	S - 11	Total/NA	Solid	8015 NM	
890-7724-9	S - 11	Total/NA	Solid	8015 NM	
890-7724-10	S - 11	Total/NA	Solid	8015 NM	
890-7724-11	S - 12	Total/NA	Solid	8015 NM	
890-7724-12	S - 12	Total/NA	Solid	8015 NM	
890-7724-13	S - 12	Total/NA	Solid	8015 NM	
890-7724-14	S - 12	Total/NA	Solid	8015 NM	
890-7724-15	S - 12	Total/NA	Solid	8015 NM	
890-7724-16	S - 13	Total/NA	Solid	8015 NM	
890-7724-17	S - 13	Total/NA	Solid	8015 NM	
890-7724-18	S - 13	Total/NA	Solid	8015 NM	
890-7724-19	S - 13	Total/NA	Solid	8015 NM	
890-7724-20	S - 13	Total/NA	Solid	8015 NM	
890-7724-21	S - 25	Total/NA	Solid	8015 NM	
890-7724-22	S - 25	Total/NA	Solid	8015 NM	
890-7724-23	S - 25	Total/NA	Solid	8015 NM	
890-7724-24	S - 25	Total/NA	Solid	8015 NM	
890-7724-25	S - 25	Total/NA	Solid	8015 NM	
890-7724-26	S - 27	Total/NA	Solid	8015 NM	
890-7724-27	S - 27	Total/NA	Solid	8015 NM	
890-7724-28	S - 27	Total/NA	Solid	8015 NM	
890-7724-29	S - 27	Total/NA	Solid	8015 NM	
890-7724-30	S - 27	Total/NA	Solid	8015 NM	
890-7724-31	S - 28	Total/NA	Solid	8015 NM	
890-7724-32	S - 28	Total/NA	Solid	8015 NM	
890-7724-33	S - 28	Total/NA	Solid	8015 NM	
890-7724-34	S - 28	Total/NA	Solid	8015 NM	
890-7724-35	S - 28	Total/NA	Solid	8015 NM	
890-7724-36	S - 32	Total/NA	Solid	8015 NM	
890-7724-37	S - 32	Total/NA	Solid	8015 NM	
890-7724-38	S - 32	Total/NA	Solid	8015 NM	
890-7724-39	S - 32	Total/NA	Solid	8015 NM	
890-7724-40	S - 32	Total/NA	Solid	8015 NM	
890-7724-41	S - 33	Total/NA	Solid	8015 NM	
890-7724-42	S - 33	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

GC Semi VOA (Continued)

Analysis Batch: 103989 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-43	S - 33	Total/NA	Solid	8015 NM	
890-7724-44	S - 33	Total/NA	Solid	8015 NM	
890-7724-45	S - 33	Total/NA	Solid	8015 NM	
890-7724-46	S - 35	Total/NA	Solid	8015 NM	
890-7724-47	S - 35	Total/NA	Solid	8015 NM	
890-7724-48	S - 35	Total/NA	Solid	8015 NM	
890-7724-49	S - 35	Total/NA	Solid	8015 NM	
890-7724-50	S - 35	Total/NA	Solid	8015 NM	
890-7724-51	S - 36	Total/NA	Solid	8015 NM	
890-7724-52	S - 36	Total/NA	Solid	8015 NM	
890-7724-53	S - 36	Total/NA	Solid	8015 NM	
890-7724-54	S - 36	Total/NA	Solid	8015 NM	
890-7724-55	S - 36	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 103858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-1	S - 9	Soluble	Solid	DI Leach	
MB 880-103858/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103858/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103858/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54955-A-4-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-54955-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 103859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-2	S - 9	Soluble	Solid	DI Leach	
890-7724-3	S - 9	Soluble	Solid	DI Leach	
890-7724-4	S - 9	Soluble	Solid	DI Leach	
890-7724-5	S - 9	Soluble	Solid	DI Leach	
890-7724-6	S - 11	Soluble	Solid	DI Leach	
890-7724-7	S - 11	Soluble	Solid	DI Leach	
890-7724-8	S - 11	Soluble	Solid	DI Leach	
890-7724-9	S - 11	Soluble	Solid	DI Leach	
890-7724-10	S - 11	Soluble	Solid	DI Leach	
890-7724-11	S - 12	Soluble	Solid	DI Leach	
890-7724-12	S - 12	Soluble	Solid	DI Leach	
890-7724-13	S - 12	Soluble	Solid	DI Leach	
890-7724-14	S - 12	Soluble	Solid	DI Leach	
890-7724-15	S - 12	Soluble	Solid	DI Leach	
890-7724-16	S - 13	Soluble	Solid	DI Leach	
890-7724-17	S - 13	Soluble	Solid	DI Leach	
890-7724-18	S - 13	Soluble	Solid	DI Leach	
890-7724-19	S - 13	Soluble	Solid	DI Leach	
890-7724-20	S - 13	Soluble	Solid	DI Leach	
890-7724-21	S - 25	Soluble	Solid	DI Leach	
MB 880-103859/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103859/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103859/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7724-2 MS	S - 9	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

HPLC/IC (Continued)

Leach Batch: 103859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-2 MSD	S - 9	Soluble	Solid	DI Leach	
890-7724-12 MS	S - 12	Soluble	Solid	DI Leach	
890-7724-12 MSD	S - 12	Soluble	Solid	DI Leach	

Leach Batch: 103860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-22	S - 25	Soluble	Solid	DI Leach	
890-7724-23	S - 25	Soluble	Solid	DI Leach	
890-7724-24	S - 25	Soluble	Solid	DI Leach	
890-7724-25	S - 25	Soluble	Solid	DI Leach	
890-7724-26	S - 27	Soluble	Solid	DI Leach	
890-7724-27	S - 27	Soluble	Solid	DI Leach	
890-7724-28	S - 27	Soluble	Solid	DI Leach	
890-7724-29	S - 27	Soluble	Solid	DI Leach	
890-7724-30	S - 27	Soluble	Solid	DI Leach	
890-7724-31	S - 28	Soluble	Solid	DI Leach	
890-7724-32	S - 28	Soluble	Solid	DI Leach	
890-7724-33	S - 28	Soluble	Solid	DI Leach	
890-7724-34	S - 28	Soluble	Solid	DI Leach	
890-7724-35	S - 28	Soluble	Solid	DI Leach	
890-7724-36	S - 32	Soluble	Solid	DI Leach	
890-7724-37	S - 32	Soluble	Solid	DI Leach	
890-7724-38	S - 32	Soluble	Solid	DI Leach	
890-7724-39	S - 32	Soluble	Solid	DI Leach	
890-7724-40	S - 32	Soluble	Solid	DI Leach	
890-7724-41	S - 33	Soluble	Solid	DI Leach	
MB 880-103860/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103860/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103860/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7724-22 MS	S - 25	Soluble	Solid	DI Leach	
890-7724-22 MSD	S - 25	Soluble	Solid	DI Leach	
890-7724-32 MS	S - 28	Soluble	Solid	DI Leach	
890-7724-32 MSD	S - 28	Soluble	Solid	DI Leach	

Leach Batch: 103861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-42	S - 33	Soluble	Solid	DI Leach	
890-7724-43	S - 33	Soluble	Solid	DI Leach	
890-7724-44	S - 33	Soluble	Solid	DI Leach	
890-7724-45	S - 33	Soluble	Solid	DI Leach	
890-7724-46	S - 35	Soluble	Solid	DI Leach	
890-7724-47	S - 35	Soluble	Solid	DI Leach	
890-7724-48	S - 35	Soluble	Solid	DI Leach	
890-7724-49	S - 35	Soluble	Solid	DI Leach	
890-7724-50	S - 35	Soluble	Solid	DI Leach	
890-7724-51	S - 36	Soluble	Solid	DI Leach	
890-7724-52	S - 36	Soluble	Solid	DI Leach	
890-7724-53	S - 36	Soluble	Solid	DI Leach	
890-7724-54	S - 36	Soluble	Solid	DI Leach	
890-7724-55	S - 36	Soluble	Solid	DI Leach	
MB 880-103861/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

HPLC/IC (Continued)

Leach Batch: 103861 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-103861/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103861/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7724-46 MS	S - 35	Soluble	Solid	DI Leach	
890-7724-46 MSD	S - 35	Soluble	Solid	DI Leach	

Analysis Batch: 103884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-1	S - 9	Soluble	Solid	300.0	103858
MB 880-103858/1-A	Method Blank	Soluble	Solid	300.0	103858
LCS 880-103858/2-A	Lab Control Sample	Soluble	Solid	300.0	103858
LCSD 880-103858/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103858
880-54955-A-4-D MS	Matrix Spike	Soluble	Solid	300.0	103858
880-54955-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	103858

Analysis Batch: 103887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-2	S - 9	Soluble	Solid	300.0	103859
890-7724-3	S - 9	Soluble	Solid	300.0	103859
890-7724-4	S - 9	Soluble	Solid	300.0	103859
890-7724-5	S - 9	Soluble	Solid	300.0	103859
890-7724-6	S - 11	Soluble	Solid	300.0	103859
890-7724-7	S - 11	Soluble	Solid	300.0	103859
890-7724-8	S - 11	Soluble	Solid	300.0	103859
890-7724-9	S - 11	Soluble	Solid	300.0	103859
890-7724-10	S - 11	Soluble	Solid	300.0	103859
890-7724-11	S - 12	Soluble	Solid	300.0	103859
890-7724-12	S - 12	Soluble	Solid	300.0	103859
890-7724-13	S - 12	Soluble	Solid	300.0	103859
890-7724-14	S - 12	Soluble	Solid	300.0	103859
890-7724-15	S - 12	Soluble	Solid	300.0	103859
890-7724-16	S - 13	Soluble	Solid	300.0	103859
890-7724-17	S - 13	Soluble	Solid	300.0	103859
890-7724-18	S - 13	Soluble	Solid	300.0	103859
890-7724-19	S - 13	Soluble	Solid	300.0	103859
890-7724-20	S - 13	Soluble	Solid	300.0	103859
890-7724-21	S - 25	Soluble	Solid	300.0	103859
MB 880-103859/1-A	Method Blank	Soluble	Solid	300.0	103859
LCS 880-103859/2-A	Lab Control Sample	Soluble	Solid	300.0	103859
LCSD 880-103859/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103859
890-7724-2 MS	S - 9	Soluble	Solid	300.0	103859
890-7724-2 MSD	S - 9	Soluble	Solid	300.0	103859
890-7724-12 MS	S - 12	Soluble	Solid	300.0	103859
890-7724-12 MSD	S - 12	Soluble	Solid	300.0	103859

Analysis Batch: 103896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-22	S - 25	Soluble	Solid	300.0	103860
890-7724-23	S - 25	Soluble	Solid	300.0	103860
890-7724-24	S - 25	Soluble	Solid	300.0	103860
890-7724-25	S - 25	Soluble	Solid	300.0	103860
890-7724-26	S - 27	Soluble	Solid	300.0	103860

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

HPLC/IC (Continued)

Analysis Batch: 103896 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-27	S - 27	Soluble	Solid	300.0	103860
890-7724-28	S - 27	Soluble	Solid	300.0	103860
890-7724-29	S - 27	Soluble	Solid	300.0	103860
890-7724-30	S - 27	Soluble	Solid	300.0	103860
890-7724-31	S - 28	Soluble	Solid	300.0	103860
890-7724-32	S - 28	Soluble	Solid	300.0	103860
890-7724-33	S - 28	Soluble	Solid	300.0	103860
890-7724-34	S - 28	Soluble	Solid	300.0	103860
890-7724-35	S - 28	Soluble	Solid	300.0	103860
890-7724-36	S - 32	Soluble	Solid	300.0	103860
890-7724-37	S - 32	Soluble	Solid	300.0	103860
890-7724-38	S - 32	Soluble	Solid	300.0	103860
890-7724-39	S - 32	Soluble	Solid	300.0	103860
890-7724-40	S - 32	Soluble	Solid	300.0	103860
890-7724-41	S - 33	Soluble	Solid	300.0	103860
MB 880-103860/1-A	Method Blank	Soluble	Solid	300.0	103860
LCS 880-103860/2-A	Lab Control Sample	Soluble	Solid	300.0	103860
LCSD 880-103860/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103860
890-7724-22 MS	S - 25	Soluble	Solid	300.0	103860
890-7724-22 MSD	S - 25	Soluble	Solid	300.0	103860
890-7724-32 MS	S - 28	Soluble	Solid	300.0	103860
890-7724-32 MSD	S - 28	Soluble	Solid	300.0	103860

Analysis Batch: 103897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7724-42	S - 33	Soluble	Solid	300.0	103861
890-7724-43	S - 33	Soluble	Solid	300.0	103861
890-7724-44	S - 33	Soluble	Solid	300.0	103861
890-7724-45	S - 33	Soluble	Solid	300.0	103861
890-7724-46	S - 35	Soluble	Solid	300.0	103861
890-7724-47	S - 35	Soluble	Solid	300.0	103861
890-7724-48	S - 35	Soluble	Solid	300.0	103861
890-7724-49	S - 35	Soluble	Solid	300.0	103861
890-7724-50	S - 35	Soluble	Solid	300.0	103861
890-7724-51	S - 36	Soluble	Solid	300.0	103861
890-7724-52	S - 36	Soluble	Solid	300.0	103861
890-7724-53	S - 36	Soluble	Solid	300.0	103861
890-7724-54	S - 36	Soluble	Solid	300.0	103861
890-7724-55	S - 36	Soluble	Solid	300.0	103861
MB 880-103861/1-A	Method Blank	Soluble	Solid	300.0	103861
LCS 880-103861/2-A	Lab Control Sample	Soluble	Solid	300.0	103861
LCSD 880-103861/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103861
890-7724-46 MS	S - 35	Soluble	Solid	300.0	103861
890-7724-46 MSD	S - 35	Soluble	Solid	300.0	103861

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 9
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-1
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	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 13:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 13:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 18:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 18:16	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103858	02/27/25 11:37	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	103884	03/01/25 15:09	CH	EET MID

Client Sample ID: S - 9
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 19:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 19:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	103887	02/28/25 08:44	SMC	EET MID

Client Sample ID: S - 9
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-3
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	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 19:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 19:15	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 12:43	SMC	EET MID

Client Sample ID: S - 9
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-4
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			4.98 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 14:33	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 9
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-4
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			103989	02/27/25 19:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 19:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 12:49	SMC	EET MID

Client Sample ID: S - 9
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-5
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	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 14:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 19:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 19:44	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	103887	02/28/25 12:55	SMC	EET MID

Client Sample ID: S - 11
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 20:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 20:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 13:02	SMC	EET MID

Client Sample ID: S - 11
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 15:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 20:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 20:14	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 11
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 13:20	SMC	EET MID

Client Sample ID: S - 11
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 15:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 15:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 20:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 20:29	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 13:26	SMC	EET MID

Client Sample ID: S - 11
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 16:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 16:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 20:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 20:44	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	103887	02/28/25 13:32	SMC	EET MID

Client Sample ID: S - 11
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 16:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 16:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 20:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 20:58	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 18:06	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 12
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-11
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			4.98 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 18:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 21:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 21:27	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 13:44	SMC	EET MID

Client Sample ID: S - 12
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 18:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 21:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 21:42	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 13:50	SMC	EET MID

Client Sample ID: S - 12
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-13
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			5.02 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 19:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 21:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 21:56	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 14:09	SMC	EET MID

Client Sample ID: S - 12
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 19:27	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 12
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-14
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			103989	02/27/25 22:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 22:11	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	103887	02/28/25 14:15	SMC	EET MID

Client Sample ID: S - 12
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 19:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 22:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 22:26	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 14:33	SMC	EET MID

Client Sample ID: S - 13
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-16
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			5.00 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 20:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 20:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 22:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 22:41	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 14:39	SMC	EET MID

Client Sample ID: S - 13
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-17
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			5.01 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 20:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 20:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 22:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 22:55	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 13
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-17
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	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 14:45	SMC	EET MID

Client Sample ID: S - 13
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-18
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			5.03 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 20:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 20:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 23:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 23:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 14:51	SMC	EET MID

Client Sample ID: S - 13
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-19
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			5.02 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 21:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 21:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 23:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 23:24	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 14:57	SMC	EET MID

Client Sample ID: S - 13
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-20
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			5.01 g	5 mL	103803	02/27/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103811	02/27/25 21:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 21:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 23:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103778	02/26/25 16:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/27/25 23:39	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	103887	02/28/25 15:03	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 25
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 11:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 11:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 03:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 03:19	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	103859	02/27/25 11:39	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103887	02/28/25 15:10	SMC	EET MID

Client Sample ID: S - 25
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 12:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 04:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 04:07	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 13:06	CH	EET MID

Client Sample ID: S - 25
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-23
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			5.01 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 12:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 04:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 04:22	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 13:25	CH	EET MID

Client Sample ID: S - 25
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-24
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			4.98 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 12:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 12:57	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 25
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-24
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			103989	02/28/25 04:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 04:39	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 13:31	CH	EET MID

Client Sample ID: S - 25
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-25
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			5.01 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 13:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 04:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 04:54	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 13:37	CH	EET MID

Client Sample ID: S - 27
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-26
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			5.03 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 13:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 05:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 05:10	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 13:43	CH	EET MID

Client Sample ID: S - 27
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-27
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			4.99 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 13:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 05:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 05:26	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 27
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-27
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			5.03 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 14:01	CH	EET MID

Client Sample ID: S - 27
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-28
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			5.01 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 14:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	103893	02/28/25 13:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103974	02/28/25 14:21	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 14:07	CH	EET MID

Client Sample ID: S - 27
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 14:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 05:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 05:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 14:13	CH	EET MID

Client Sample ID: S - 27
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 15:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 06:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 06:13	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 14:20	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 28
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 16:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 14:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	103893	02/28/25 13:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103974	02/28/25 14:35	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 14:26	CH	EET MID

Client Sample ID: S - 28
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-32
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	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 16:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 14:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	103893	02/28/25 13:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103974	02/28/25 14:50	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 14:32	CH	EET MID

Client Sample ID: S - 28
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-33
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	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 17:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 07:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 07:16	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 14:50	CH	EET MID

Client Sample ID: S - 28
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-34
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	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 17:26	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 28
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-34
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			103989	02/28/25 07:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 07:31	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 14:56	CH	EET MID

Client Sample ID: S - 28
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-35
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	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 17:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103976	02/28/25 14:36	TKC	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	103894	02/28/25 15:07	EL	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 15:15	CH	EET MID

Client Sample ID: S - 32
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-36
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	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 18:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 08:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 08:03	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 15:21	CH	EET MID

Client Sample ID: S - 32
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-37
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	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 18:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 08:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 08:19	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 32
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 15:27	CH	EET MID

Client Sample ID: S - 32
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-38
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	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 18:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 08:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 08:37	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 15:33	CH	EET MID

Client Sample ID: S - 32
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-39
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	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 19:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 19:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 08:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 08:52	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 15:39	CH	EET MID

Client Sample ID: S - 32
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-40
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	103821	02/27/25 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103810	02/27/25 19:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 19:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/28/25 09:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103779	02/26/25 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103818	02/28/25 09:10	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 15:45	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 33
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-41
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	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/27/25 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 22:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 19:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 19:19	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103860	02/27/25 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103896	03/01/25 15:52	CH	EET MID

Client Sample ID: S - 33
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-42
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	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/27/25 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 23:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 20:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 20:08	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 22:28	CH	EET MID

Client Sample ID: S - 33
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-43
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	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/27/25 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 23:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 20:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 20:23	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 22:34	CH	EET MID

Client Sample ID: S - 33
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-44
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	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/27/25 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 23:49	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 33
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-44
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			103989	02/27/25 20:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 20:40	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 22:40	CH	EET MID

Client Sample ID: S - 33
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-45
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	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/28/25 00:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/28/25 00:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 20:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 20:55	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 22:46	CH	EET MID

Client Sample ID: S - 35
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-46
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	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/28/25 00:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/28/25 00:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 21:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 21:11	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 22:52	CH	EET MID

Client Sample ID: S - 35
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-47
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	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/28/25 00:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/28/25 00:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 21:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 21:27	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 35
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-47
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	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 23:09	CH	EET MID

Client Sample ID: S - 35
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-48
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	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/28/25 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/28/25 01:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 21:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 21:43	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 23:15	CH	EET MID

Client Sample ID: S - 35
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-49
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	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/28/25 01:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/28/25 01:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 21:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 21:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 23:33	CH	EET MID

Client Sample ID: S - 35
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-50
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	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/28/25 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/28/25 01:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 22:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 22:14	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 23:39	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 36
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-51
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	103804	02/27/25 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/27/25 16:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 16:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 22:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 22:46	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 23:45	CH	EET MID

Client Sample ID: S - 36
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-52
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	103804	02/27/25 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/27/25 16:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 16:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 23:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 23:04	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 23:50	CH	EET MID

Client Sample ID: S - 36
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-53
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	103804	02/27/25 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/27/25 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 17:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 23:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 23:19	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	02/28/25 23:56	CH	EET MID

Client Sample ID: S - 36
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-54
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103804	02/27/25 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/27/25 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 17:23	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Client Sample ID: S - 36
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-54
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			103989	02/27/25 23:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 23:36	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	03/01/25 00:02	CH	EET MID

Client Sample ID: S - 36
Date Collected: 02/25/25 00:00
Date Received: 02/26/25 08:00

Lab Sample ID: 890-7724-55
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103804	02/27/25 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/27/25 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104018	02/27/25 17:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103989	02/27/25 23:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103780	02/26/25 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103820	02/27/25 23:51	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103861	02/27/25 11:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103897	03/01/25 00:08	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 890-7724-1
Project/Site: HAYHURST PAD 10
SDG: 2628

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: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

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: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7724-1	S - 9	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-2	S - 9	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-3	S - 9	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-4	S - 9	Solid	02/25/25 00:00	02/26/25 08:00	4
890-7724-5	S - 9	Solid	02/25/25 00:00	02/26/25 08:00	4.5
890-7724-6	S - 11	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-7	S - 11	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-8	S - 11	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-9	S - 11	Solid	02/25/25 00:00	02/26/25 08:00	4
890-7724-10	S - 11	Solid	02/25/25 00:00	02/26/25 08:00	4.5
890-7724-11	S - 12	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-12	S - 12	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-13	S - 12	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-14	S - 12	Solid	02/25/25 00:00	02/26/25 08:00	4
890-7724-15	S - 12	Solid	02/25/25 00:00	02/26/25 08:00	4.5
890-7724-16	S - 13	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-17	S - 13	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-18	S - 13	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-19	S - 13	Solid	02/25/25 00:00	02/26/25 08:00	4
890-7724-20	S - 13	Solid	02/25/25 00:00	02/26/25 08:00	4.5
890-7724-21	S - 25	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-22	S - 25	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-23	S - 25	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-24	S - 25	Solid	02/25/25 00:00	02/26/25 08:00	4
890-7724-25	S - 25	Solid	02/25/25 00:00	02/26/25 08:00	4.5
890-7724-26	S - 27	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-27	S - 27	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-28	S - 27	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-29	S - 27	Solid	02/25/25 00:00	02/26/25 08:00	4
890-7724-30	S - 27	Solid	02/25/25 00:00	02/26/25 08:00	4.5
890-7724-31	S - 28	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-32	S - 28	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-33	S - 28	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-34	S - 28	Solid	02/25/25 00:00	02/26/25 08:00	4
890-7724-35	S - 28	Solid	02/25/25 00:00	02/26/25 08:00	4.5
890-7724-36	S - 32	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-37	S - 32	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-38	S - 32	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-39	S - 32	Solid	02/25/25 00:00	02/26/25 08:00	4
890-7724-40	S - 32	Solid	02/25/25 00:00	02/26/25 08:00	4.5
890-7724-41	S - 33	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-42	S - 33	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-43	S - 33	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-44	S - 33	Solid	02/25/25 00:00	02/26/25 08:00	4
890-7724-45	S - 33	Solid	02/25/25 00:00	02/26/25 08:00	4.5
890-7724-46	S - 35	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-47	S - 35	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-48	S - 35	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-49	S - 35	Solid	02/25/25 00:00	02/26/25 08:00	4
890-7724-50	S - 35	Solid	02/25/25 00:00	02/26/25 08:00	4.5
890-7724-51	S - 36	Solid	02/25/25 00:00	02/26/25 08:00	0 - 1
890-7724-52	S - 36	Solid	02/25/25 00:00	02/26/25 08:00	2
890-7724-53	S - 36	Solid	02/25/25 00:00	02/26/25 08:00	3
890-7724-54	S - 36	Solid	02/25/25 00:00	02/26/25 08:00	4

Sample Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7724-1
SDG: 2628

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7724-55	S - 36	Solid	02/25/25 00:00	02/26/25 08:00	4.5

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Chain of Custody

Work Order No: _____

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
npler's Name:	RP		
#:			

ANALYSIS REQUEST

890-7724 Chain of Custody

Preservative Codes

NO DI Water: H_2O

Cool MeOH: Me

IC HNO_3: HN

H_2 NaOH: Na

HP

O_4: NABIS

HOLD $Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

MPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
eived Intact:	(Yes) No	Thermometer ID:	TMAC2
ler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
nple Custody Seals:	Yes No (N/A)	Temperature Reading:	-11.2
al Containers:	55	Corrected Temperature	-11.0

Sample Identification	Date	Time	Soil	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0									Sample Comments
S-9	2/25/2025		X	0-1	Grab	1	X	X	X									
S-9	2/25/2025		X	2	Grab	1	X	X	X									
S-9	2/25/2025		X	3	Grab	1	X	X	X									
S-9	2/25/2025		X	4	Grab	1	X	X	X									
S-9	2/25/2025		X	4.5	Grab	1	X	X	X									
S-11	2/25/2025		X	0-1	Grab	1	X	X	X									
S-11	2/25/2025		X	2	Grab	1	X	X	X									
S-11	2/25/2025		X	3	Grab	1	X	X	X									
S-11	2/25/2025		X	4	Grab	1	X	X	X									
S-11	2/25/2025		X	4.5	Grab	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
Tilly Plogge		2/26 8:00	2		
			4		
			6		

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Chain of Custody

Work Order No: _____

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
npler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
eived Intact:	(Yes) No		Thermometer ID:	Tamu-7	
ler Custody Seals:	Yes No (N/A)		Correction Factor:	-0.2	
nple Custody Seals:	Yes No (N/A)		Temperature Reading:	-11.2	
al Containers:			Corrected Temperature	-11.0	

ANALYSIS REQUEST

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	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
~~S-12~~	~~2/25/2025~~		X	0-1	Grab	1		X	X	X		
S-12	2/25/2025		X	2	Grab	1		X	X	X		
S-12	2/25/2025		X	3	Grab	1		X	X	X		
S-12	2/25/2025		X	4	Grab	1		X	X	X		
S-12	2/25/2025		X	4.5	Grab	1		X	X	X		
S-13	2/25/2025		X	0-1	Grab	1		X	X	X		
S-13	2/25/2025		X	2	Grab	1		X	X	X		
S-13	2/25/2025		X	3	Grab	1		X	X	X		
S-13	2/25/2025		X	4	Grab	1		X	X	X		
S-13	2/25/2025		X	4.5	Grab	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
	Brun 8	2/26 8:00	2		
			4		
			6		

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Chain of Custody

F3

Work Order No: _____

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
mpler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	
ceived Intact:	Yes No		Thermometer ID:	Tamco	
pler Custody Seals:	Yes No N/A		Correction Factor:	-0.2	
mple Custody Seals:	Yes No N/A		Temperature Reading:	11.2	
al Containers:			Corrected Temperature	11.0	

ANALYSIS REQUEST

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	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
~~S-25~~	~~2/25/2025~~		X	0-1	Grab	1	X	X	X		
S-25	2/25/2025		X	2	Grab	1	X	X	X		
S-25	2/25/2025		X	3	Grab	1	X	X	X		
S-25	2/25/2025		X	4	Grab	1	X	X	X		
S-25	2/25/2025		X	4.5	Grab	1	X	X	X		
S-27	2/25/2025		X	0-1	Grab	1	X	X	X		
S-27	2/25/2025		X	2	Grab	1	X	X	X		
S-27	2/25/2025		X	3	Grab	1	X	X	X		
S-27	2/25/2025		X	4	Grab	1	X	X	X		
S-27	2/25/2025		X	4.5	Grab	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
			2		
			4		
			6		

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Chain of Custody

Work Order No: _____

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
mpler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
ceived Intact:	(Yes) No	Thermometer ID:		TNMet7	
ler Custody Seals:	Yes No (N/A)	Correction Factor:		-0.2	
mple Custody Seals:	Yes No (N/A)	Temperature Reading:		-11.2	
al Containers:		Corrected Temperature		-11.0	

ANALYSIS REQUEST

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	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
~~S-28~~	~~2/25/2025~~		X	0-1	Grab	1	X	X	X		
S-28	2/25/2025		X	2	Grab	1	X	X	X		
S-28	2/25/2025		X	3	Grab	1	X	X	X		
S-28	2/25/2025		X	4	Grab	1	X	X	X		
S-28	2/25/2025		X	4.5	Grab	1	X	X	X		
S-32	2/25/2025		X	0-1	Grab	1	X	X	X		
S-32	2/25/2025		X	2	Grab	1	X	X	X		
S-32	2/25/2025		X	3	Grab	1	X	X	X		
S-32	2/25/2025		X	4	Grab	1	X	X	X		
S-32	2/25/2025		X	4.5	Grab	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
			2		
			4		
			6		

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Chain of Custody

Work Order No: _____

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
ject Number:	2628	Due Date:	Normal
ject Location	Eddy Co, NM		
mpler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
ceived Intact:	(Yes) No	Thermometer ID:		Trimble	
ler Custody Seals:	Yes No (N/A)	Correction Factor:		-0.2	
mple Custody Seals:	Yes No (N/A)	Temperature Reading:		-11.2	
al Containers:		Corrected Temperature		-11.0	

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	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
~~S-33~~	~~2/25/2025~~		X	0-1	Grab	1	X	X	X		
S-33	2/25/2025		X	2	Grab	1	X	X	X		
S-33	2/25/2025		X	3	Grab	1	X	X	X		
S-33	2/25/2025		X	4	Grab	1	X	X	X		
S-33	2/25/2025		X	4.5	Grab	1	X	X	X		
S-35	2/25/2025		X	0-1	Grab	1	X	X	X		
S-35	2/25/2025		X	2	Grab	1	X	X	X		
S-35	2/25/2025		X	3	Grab	1	X	X	X		
S-35	2/25/2025		X	4	Grab	1	X	X	X		
S-35	2/25/2025		X	4.5	Grab	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
	Sunny	2/26 8	2		
			4		
			6		

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Chain of Custody

Work Order No: _____

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
ject Number:	2628	Due Date:	Normal
ject Location	Eddy Co, NM		
mpler's Name:	RP		
#:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
eived Intact:	(Yes) No	Thermometer ID:	INMeter7
ler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
mple Custody Seals:	Yes No (N/A)	Temperature Reading:	-11.2
al Containers:		Corrected Temperature	-11.0

ANALYSIS REQUEST

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	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-36	2/25/2025		X	0-1	Grab	1		X	X	X		
S-36	2/25/2025		X	2	Grab	1		X	X	X		
S-36	2/25/2025		X	3	Grab	1		X	X	X		
S-36	2/25/2025		X	4	Grab	1		X	X	X		
S-36	2/25/2025		X	4.5	Grab	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
		2/26 8:00	2		
			4		
			6		

Revised Date 05012020 Rev. 2020.1

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Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-7724-1
SDG Number: 2628

Login Number: 7724
List Number: 1
Creator: Bruns, Shannon

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: Carmona Resources

Job Number: 890-7724-1
SDG Number: 2628

Login Number: 7724
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 02/26/25 09:08 PM

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

Generated 3/6/2025 1:27:54 PM Revision 1

JOB DESCRIPTION

HAYHURST PAD 10
Eddy County NM

JOB NUMBER

890-7727-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/18/2025 9:10:05 AM

my EOL

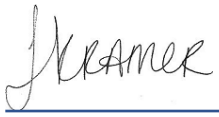
Eurofins Carlsbad

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



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3/6/2025 1:27:54 PM
Revision 1

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

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Laboratory Job ID: 890-7727-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: HAYHURST PAD 10

Job ID: 890-7727-1

Job ID: 890-7727-1 Eurofins Carlsbad

Job Narrative
890-7727-1

REVISION

The report being provided is a revision of the original report sent on 3/5/2025. The report (revision 1) is being revised due to Typo on final report for sample names. revisioon needed.

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 2/27/2025 10:07 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 -12.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S - 15 (890-7727-1), S - 15 (890-7727-2), S - 15 (890-7727-3), S - 15 (890-7727-4), S - 15 (890-7727-5), S - 17 (890-7727-6), S - 17 (890-7727-7), S - 17 (890-7727-8), S - 17 (890-7727-9), S - 17 (890-7727-10), S - 18 (890-7727-11), S - 18 (890-7727-12), S - 18 (890-7727-13), S - 18 (890-7727-14), S - 18 (890-7727-15), S - 19 (890-7727-16), S - 19 (890-7727-17), S - 19 (890-7727-18), S - 19 (890-7727-19), S - 19 (890-7727-20), S - 20 (890-7727-21), S - 20 (890-7727-22), S - 20 (890-7727-23), S - 20 (890-7727-24), S - 20 (890-7727-25), S - 39 (890-7727-26), S - 39 (890-7727-27), S - 39 (890-7727-28), S - 39 (890-7727-29), S - 39 (890-7727-30), S - 42 (890-7727-31), S - 42 (890-7727-32), S - 42 (890-7727-33), S - 42 (890-7727-34), S - 42 (890-7727-35), S - 46 (890-7727-36), S - 46 (890-7727-37), S - 46 (890-7727-38), S - 46 (890-7727-39), S - 46 (890-7727-40), S - 49 (890-7727-41), S - 49 (890-7727-42), S - 49 (890-7727-43), S - 49 (890-7727-44), S - 49 (890-7727-45), S - 52 (890-7727-46), S - 52 (890-7727-47), S - 52 (890-7727-48), S - 52 (890-7727-49) and S - 52 (890-7727-50).

GC VOA
Method 8021B: The following samples were diluted due to the nature of the sample matrix: (890-7727-A-41-J MS) and (890-7727-A-41-K MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (890-7727-A-41-J MS) and (890-7727-A-41-K 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
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-103888 and 880-103889 and analytical batch 880-103978 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S - 39 (890-7727-30) and (LCS 880-103888/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S - 42 (890-7727-34). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-103971 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. 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 880-103971/49).

Case Narrative

Client: Carmona Resources
Project: HAYHURST PAD 10

Job ID: 890-7727-1

Job ID: 890-7727-1 (Continued) Eurofins Carlsbad

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S - 52 (890-7727-46), S - 52 (890-7727-47) and S - 52 (890-7727-50). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-103890 and analytical batch 880-103971 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-104086 and analytical batch 880-104176 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 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-104134 and analytical batch 880-104288 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 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-104132 and analytical batch 880-104222 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 15

Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 0 - 1

Lab Sample ID: 890-7727-1

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		02/28/25 11:57	02/28/25 22:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	02/28/25 22:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	02/28/25 22:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/25 11:57	02/28/25 22:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	02/28/25 22:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/25 11:57	02/28/25 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/28/25 11:57*	*02/28/25 22:25*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/28/25 11:57*	*02/28/25 22:25*	*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			02/28/25 22:25	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			02/28/25 17:02	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		02/27/25 15:03	02/28/25 17:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 17:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*02/27/25 15:03*	*02/28/25 17:02*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/27/25 15:03*	*02/28/25 17:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2330**	**F1**	50.3		mg/Kg			03/04/25 20:13	5

Client Sample ID: S - 15

Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/28/25 11:57	02/28/25 22:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/28/25 11:57	02/28/25 22:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/28/25 11:57	02/28/25 22:45	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/28/25 11:57	02/28/25 22:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/28/25 11:57	02/28/25 22:45	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/28/25 11:57	02/28/25 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/28/25 11:57*	*02/28/25 22:45*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/28/25 11:57*	*02/28/25 22:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/28/25 22:45	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			02/28/25 17:50	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	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 17:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 17:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*02/27/25 15:03*	*02/28/25 17:50*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/27/25 15:03*	*02/28/25 17:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**		50.5		mg/Kg			03/04/25 20:31	5

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-3
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		02/28/25 11:57	02/28/25 23:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/25 11:57	02/28/25 23:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/25 11:57	02/28/25 23:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/25 11:57	02/28/25 23:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/25 11:57	02/28/25 23:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/25 11:57	02/28/25 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/28/25 11:57*	*02/28/25 23:06*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/28/25 11:57*	*02/28/25 23:06*	*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			02/28/25 23:06	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			02/28/25 18:06	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-3
Matrix: Solid

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		02/27/25 15:03	02/28/25 18:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 18:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/27/25 15:03*	*02/28/25 18:06*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/27/25 15:03*	*02/28/25 18:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1690**		50.3		mg/Kg			03/04/25 20:37	5

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-4
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		02/28/25 11:57	02/28/25 23:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/25 11:57	02/28/25 23:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/25 11:57	02/28/25 23:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/25 11:57	02/28/25 23:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/25 11:57	02/28/25 23:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/25 11:57	02/28/25 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/28/25 11:57*	*02/28/25 23:26*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/28/25 11:57*	*02/28/25 23:26*	*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			02/28/25 23:26	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			02/28/25 18:23	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		02/27/25 15:03	02/28/25 18:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 18:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*02/27/25 15:03*	*02/28/25 18:23*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/27/25 15:03*	*02/28/25 18:23*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1010		100		mg/Kg			03/04/25 20:43	10

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4.5

Lab Sample ID: 890-7727-5
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		02/28/25 11:57	02/28/25 23:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	02/28/25 23:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	02/28/25 23:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/25 11:57	02/28/25 23:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	02/28/25 23:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/25 11:57	02/28/25 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/28/25 11:57*	*02/28/25 23:47*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/28/25 11:57*	*02/28/25 23:47*	*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			02/28/25 23:47	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			02/28/25 18:39	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		02/27/25 15:03	02/28/25 18:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 18:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*02/27/25 15:03*	*02/28/25 18:39*	*1*
o-Terphenyl	*109*		*70 - 130*	*02/27/25 15:03*	*02/28/25 18:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	930		99.6		mg/Kg			03/04/25 20:49	10

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 0 - 1

Lab Sample ID: 890-7727-6
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		02/28/25 11:57	03/01/25 00:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 00:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 00:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/25 11:57	03/01/25 00:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 00:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/25 11:57	03/01/25 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/28/25 11:57*	*03/01/25 00:07*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/28/25 11:57*	*03/01/25 00:07*	*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			03/01/25 00:07	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			02/28/25 18:56	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		02/27/25 15:03	02/28/25 18:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 18:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/27/25 15:03*	*02/28/25 18:56*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/27/25 15:03*	*02/28/25 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2080**		49.6		mg/Kg			03/04/25 21:07	5

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-7
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		02/28/25 11:57	03/01/25 00:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 00:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 00:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/25 11:57	03/01/25 00:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 00:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/25 11:57	03/01/25 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*02/28/25 11:57*	*03/01/25 00:27*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*02/28/25 11:57*	*03/01/25 00:27*	*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			03/01/25 00:27	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			02/28/25 19:11	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		02/27/25 15:03	02/28/25 19:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 19:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*02/27/25 15:03*	*02/28/25 19:11*	*1*
o-Terphenyl	*109*		*70 - 130*	*02/27/25 15:03*	*02/28/25 19:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1930**		50.4		mg/Kg			03/04/25 21:14	5

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-8
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		02/28/25 11:57	03/01/25 00:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/25 11:57	03/01/25 00:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/25 11:57	03/01/25 00:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/25 11:57	03/01/25 00:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/25 11:57	03/01/25 00:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/25 11:57	03/01/25 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/28/25 11:57*	*03/01/25 00:48*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/28/25 11:57*	*03/01/25 00:48*	*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			03/01/25 00:48	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			02/28/25 19:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-8
Matrix: Solid

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		02/27/25 15:03	02/28/25 19:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 19:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*02/27/25 15:03*	*02/28/25 19:29*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/27/25 15:03*	*02/28/25 19:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**406**		99.4		mg/Kg			03/04/25 21:20	10

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-9
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		02/28/25 11:57	03/01/25 01:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 01:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 01:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/25 11:57	03/01/25 01:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 01:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/25 11:57	03/01/25 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/28/25 11:57*	*03/01/25 01:08*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/28/25 11:57*	*03/01/25 01:08*	*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			03/01/25 01:08	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			02/28/25 19:45	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		02/27/25 15:03	02/28/25 19:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 19:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*02/27/25 15:03*	*02/28/25 19:45*	*1*
o-Terphenyl	*117*		*70 - 130*	*02/27/25 15:03*	*02/28/25 19:45*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		99.8		mg/Kg			03/04/25 21:26	10

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4.5

Lab Sample ID: 890-7727-10
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		02/28/25 11:57	03/01/25 01:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 01:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 01:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/25 11:57	03/01/25 01:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	03/01/25 01:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/25 11:57	03/01/25 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/28/25 11:57*	*03/01/25 01:29*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/28/25 11:57*	*03/01/25 01:29*	*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			03/01/25 01:29	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			02/28/25 20:02	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		02/27/25 15:03	02/28/25 20:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/27/25 15:03	02/28/25 20:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/27/25 15:03	02/28/25 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/27/25 15:03*	*02/28/25 20:02*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/27/25 15:03*	*02/28/25 20:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2260		100		mg/Kg			03/04/25 21:32	10

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 0 - 1

Lab Sample ID: 890-7727-11
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		03/03/25 08:36	03/03/25 11:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 11:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 11:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/25 08:36	03/03/25 11:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 11:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/25 08:36	03/03/25 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*03/03/25 08:36*	*03/03/25 11:47*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/03/25 08:36*	*03/03/25 11:47*	*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			03/03/25 11:47	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			02/28/25 20:34	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		02/27/25 15:03	02/28/25 20:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 20:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*02/27/25 15:03*	*02/28/25 20:34*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/27/25 15:03*	*02/28/25 20:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3240**	**F1**	50.2		mg/Kg			03/04/25 21:38	5

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 12:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 12:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 12:07	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/03/25 08:36	03/03/25 12:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 12:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/03/25 08:36	03/03/25 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/03/25 08:36*	*03/03/25 12:07*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-12
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/03/25 08:36*	*03/03/25 12:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/03/25 12:07	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			02/28/25 20:50	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	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 20:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 20:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/27/25 15:03*	*02/28/25 20:50*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/27/25 15:03*	*02/28/25 20:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2620**		100		mg/Kg			03/04/25 21:56	10

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 12:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 12:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 12:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/03/25 08:36	03/03/25 12:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 12:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/03/25 08:36	03/03/25 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/03/25 08:36*	*03/03/25 12:28*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/03/25 08:36*	*03/03/25 12:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/03/25 12:28	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			02/28/25 21:06	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-13
Matrix: Solid

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		02/27/25 15:03	02/28/25 21:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 21:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*02/27/25 15:03*	*02/28/25 21:06*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/27/25 15:03*	*02/28/25 21:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3020**		100		mg/Kg			03/04/25 22:02	10

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-14
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		03/03/25 08:36	03/03/25 12:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:36	03/03/25 12:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:36	03/03/25 12:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/25 08:36	03/03/25 12:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:36	03/03/25 12:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/25 08:36	03/03/25 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*03/03/25 08:36*	*03/03/25 12:48*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/03/25 08:36*	*03/03/25 12:48*	*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			03/03/25 12:48	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			02/28/25 21:22	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		02/27/25 15:03	02/28/25 21:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 21:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*02/27/25 15:03*	*02/28/25 21:22*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/27/25 15:03*	*02/28/25 21:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-14
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440		100		mg/Kg			03/04/25 22:20	10

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4.5

Lab Sample ID: 890-7727-15
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		03/03/25 08:36	03/03/25 13:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 13:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 13:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/25 08:36	03/03/25 13:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 13:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/25 08:36	03/03/25 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/03/25 08:36*	*03/03/25 13:09*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/03/25 08:36*	*03/03/25 13:09*	*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			03/03/25 13:09	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			02/28/25 21:38	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		02/27/25 15:03	02/28/25 21:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 21:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*02/27/25 15:03*	*02/28/25 21:38*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/27/25 15:03*	*02/28/25 21:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2220		99.6		mg/Kg			03/04/25 22:27	10

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 19

Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 0 - 1

Lab Sample ID: 890-7727-16
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		03/03/25 08:36	03/03/25 13:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 13:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 13:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/25 08:36	03/03/25 13:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 13:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/25 08:36	03/03/25 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/03/25 08:36*	*03/03/25 13:29*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/03/25 08:36*	*03/03/25 13:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/03/25 13:29	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			02/28/25 21:54	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		02/27/25 15:03	02/28/25 21:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 21:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*02/27/25 15:03*	*02/28/25 21:54*	*1*
o-Terphenyl	*111*		*70 - 130*	*02/27/25 15:03*	*02/28/25 21:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2770**		49.6		mg/Kg			03/04/25 22:33	5

Client Sample ID: S - 19

Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-17
Matrix: Solid

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		03/03/25 08:36	03/03/25 13:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/25 08:36	03/03/25 13:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/25 08:36	03/03/25 13:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/25 08:36	03/03/25 13:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/25 08:36	03/03/25 13:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/25 08:36	03/03/25 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/03/25 08:36*	*03/03/25 13:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-17
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/03/25 08:36*	*03/03/25 13:50*	*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			03/03/25 13:50	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			02/28/25 22:10	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		02/27/25 15:03	02/28/25 22:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 22:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:03	02/28/25 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*02/27/25 15:03*	*02/28/25 22:10*	*1*
o-Terphenyl	*115*		*70 - 130*	*02/27/25 15:03*	*02/28/25 22:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1770**		101		mg/Kg			03/04/25 22:39	10

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-18
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		03/03/25 08:36	03/03/25 14:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 14:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 14:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/25 08:36	03/03/25 14:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 14:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/25 08:36	03/03/25 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*03/03/25 08:36*	*03/03/25 14:10*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/03/25 08:36*	*03/03/25 14:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/03/25 14:10	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			02/28/25 22:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-18
Matrix: Solid

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		02/27/25 15:03	02/28/25 22:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 22:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:03	02/28/25 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/27/25 15:03*	*02/28/25 22:26*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/27/25 15:03*	*02/28/25 22:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1720**		99.4		mg/Kg			03/04/25 22:45	10

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-19
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		03/03/25 08:36	03/03/25 16:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 16:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 16:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/25 08:36	03/03/25 16:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 16:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/25 08:36	03/03/25 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/03/25 08:36*	*03/03/25 16:23*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/03/25 08:36*	*03/03/25 16:23*	*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			03/03/25 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/28/25 22:43	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		02/27/25 15:03	02/28/25 22:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 22:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:03	02/28/25 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*02/27/25 15:03*	*02/28/25 22:43*	*1*
o-Terphenyl	*117*		*70 - 130*	*02/27/25 15:03*	*02/28/25 22:43*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		99.6		mg/Kg			03/04/25 22:51	10

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4.5

Lab Sample ID: 890-7727-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 16:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 16:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 16:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/03/25 08:36	03/03/25 16:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:36	03/03/25 16:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/03/25 08:36	03/03/25 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/03/25 08:36*	*03/03/25 16:43*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/03/25 08:36*	*03/03/25 16:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/03/25 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/28/25 22:58	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		02/27/25 15:03	02/28/25 22:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/27/25 15:03	02/28/25 22:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/27/25 15:03	02/28/25 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*02/27/25 15:03*	*02/28/25 22:58*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/27/25 15:03*	*02/28/25 22:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		101		mg/Kg			03/04/25 22:57	10

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 20

Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 0 - 1

Lab Sample ID: 890-7727-21
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		02/28/25 12:01	02/28/25 22:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	02/28/25 22:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	02/28/25 22:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	02/28/25 22:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	02/28/25 22:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	02/28/25 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*02/28/25 12:01*	*02/28/25 22:30*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/28/25 12:01*	*02/28/25 22:30*	*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			02/28/25 22:30	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			03/01/25 01:08	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	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 01:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 01:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/27/25 15:05*	*03/01/25 01:08*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/27/25 15:05*	*03/01/25 01:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3550**	**F1**	99.2		mg/Kg			03/04/25 18:59	10

Client Sample ID: S - 20

Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/28/25 12:01	02/28/25 22:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/28/25 12:01	02/28/25 22:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/28/25 12:01	02/28/25 22:51	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/28/25 12:01	02/28/25 22:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/28/25 12:01	02/28/25 22:51	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/28/25 12:01	02/28/25 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/28/25 12:01*	*02/28/25 22:51*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-22
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/28/25 12:01*	*02/28/25 22:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/28/25 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/01/25 01:56	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		02/27/25 15:05	03/01/25 01:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 01:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*02/27/25 15:05*	*03/01/25 01:56*	*1*
o-Terphenyl	*109*		*70 - 130*	*02/27/25 15:05*	*03/01/25 01:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2520**		50.1		mg/Kg			03/04/25 19:21	5

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-23
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		02/28/25 12:01	02/28/25 23:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	02/28/25 23:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	02/28/25 23:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/25 12:01	02/28/25 23:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	02/28/25 23:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/25 12:01	02/28/25 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/28/25 12:01*	*02/28/25 23:11*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/28/25 12:01*	*02/28/25 23:11*	*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			02/28/25 23:11	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			03/01/25 02:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-23
Matrix: Solid

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		02/27/25 15:05	03/01/25 02:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 02:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*02/27/25 15:05*	*03/01/25 02:12*	*1*
o-Terphenyl	*115*		*70 - 130*	*02/27/25 15:05*	*03/01/25 02:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1910**		99.6		mg/Kg			03/04/25 19:29	10

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-24
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		02/28/25 12:01	02/28/25 23:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	02/28/25 23:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	02/28/25 23:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/25 12:01	02/28/25 23:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	02/28/25 23:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/25 12:01	02/28/25 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/28/25 12:01*	*02/28/25 23:32*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/28/25 12:01*	*02/28/25 23:32*	*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			02/28/25 23:32	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			03/01/25 02:28	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	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 02:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 02:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*02/27/25 15:05*	*03/01/25 02:28*	*1*
o-Terphenyl	*104*		*70 - 130*	*02/27/25 15:05*	*03/01/25 02:28*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-24
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		99.8		mg/Kg			03/04/25 19:36	10

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4.5

Lab Sample ID: 890-7727-25
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		02/28/25 12:01	02/28/25 23:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	02/28/25 23:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	02/28/25 23:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	02/28/25 23:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	02/28/25 23:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	02/28/25 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/28/25 12:01*	*02/28/25 23:52*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/28/25 12:01*	*02/28/25 23:52*	*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			02/28/25 23:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			03/01/25 02:44	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		02/27/25 15:05	03/01/25 02:44	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/27/25 15:05	03/01/25 02:44	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/27/25 15:05	03/01/25 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*02/27/25 15:05*	*03/01/25 02:44*	*1*
o-Terphenyl	*111*		*70 - 130*	*02/27/25 15:05*	*03/01/25 02:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		50.4		mg/Kg			03/04/25 19:43	5

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 0 - 1

Lab Sample ID: 890-7727-26
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		02/28/25 12:01	03/01/25 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 00:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/25 12:01	03/01/25 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 00:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/25 12:01	03/01/25 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*02/28/25 12:01*	*03/01/25 00:13*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/28/25 12:01*	*03/01/25 00:13*	*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			03/01/25 00:13	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			03/01/25 03:01	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		02/27/25 15:05	03/01/25 03:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 03:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*02/27/25 15:05*	*03/01/25 03:01*	*1*
o-Terphenyl	*103*		*70 - 130*	*02/27/25 15:05*	*03/01/25 03:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**284**		49.7		mg/Kg			03/04/25 20:05	5

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-27
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		02/28/25 12:01	03/01/25 00:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 00:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 00:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/25 12:01	03/01/25 00:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 00:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/25 12:01	03/01/25 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/28/25 12:01*	*03/01/25 00:33*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-27
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/28/25 12:01*	*03/01/25 00:33*	*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			03/01/25 00:33	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			03/01/25 03:16	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		02/27/25 15:05	03/01/25 03:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 03:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*02/27/25 15:05*	*03/01/25 03:16*	*1*
o-Terphenyl	*111*		*70 - 130*	*02/27/25 15:05*	*03/01/25 03:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**334**		49.8		mg/Kg			03/04/25 20:13	5

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-28
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		02/28/25 12:01	03/01/25 00:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	03/01/25 00:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	03/01/25 00:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/25 12:01	03/01/25 00:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	03/01/25 00:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/25 12:01	03/01/25 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*02/28/25 12:01*	*03/01/25 00:54*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/28/25 12:01*	*03/01/25 00:54*	*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			03/01/25 00:54	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			03/01/25 03:33	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-28
Matrix: Solid

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		02/27/25 15:05	03/01/25 03:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 03:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*02/27/25 15:05*	*03/01/25 03:33*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/27/25 15:05*	*03/01/25 03:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		50.2		mg/Kg			03/04/25 20:20	5

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-29
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		02/28/25 12:01	03/01/25 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 01:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	03/01/25 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 01:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	03/01/25 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/28/25 12:01*	*03/01/25 01:15*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/28/25 12:01*	*03/01/25 01:15*	*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			03/01/25 01:15	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			03/01/25 03:48	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		02/27/25 15:05	03/01/25 03:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 03:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/27/25 15:05*	*03/01/25 03:48*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/27/25 15:05*	*03/01/25 03:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 39

Lab Sample ID: 890-7727-29
Matrix: Solid
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	271		100		mg/Kg			03/04/25 20:28	10

Client Sample ID: S - 39

Lab Sample ID: 890-7727-30
Matrix: Solid
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4.5

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		02/28/25 12:01	03/01/25 01:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 01:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 01:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	03/01/25 01:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 01:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	03/01/25 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/28/25 12:01*	*03/01/25 01:35*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/28/25 12:01*	*03/01/25 01:35*	*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			03/01/25 01:35	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			03/01/25 04:04	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		02/27/25 15:05	03/01/25 04:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 04:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*02/27/25 15:05*	*03/01/25 04:04*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*02/27/25 15:05*	*03/01/25 04:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	318		99.2		mg/Kg			03/04/25 20:35	10

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 42

Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 0 - 1

Lab Sample ID: 890-7727-31

Matrix: Solid

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		02/28/25 12:01	03/01/25 03:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/28/25 12:01	03/01/25 03:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/28/25 12:01	03/01/25 03:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/28/25 12:01	03/01/25 03:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/28/25 12:01	03/01/25 03:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/28/25 12:01	03/01/25 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/28/25 12:01*	*03/01/25 03:10*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/28/25 12:01*	*03/01/25 03:10*	*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			03/01/25 03:10	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			03/01/25 04:36	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		02/27/25 15:05	03/01/25 04:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 04:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/27/25 15:05*	*03/01/25 04:36*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/27/25 15:05*	*03/01/25 04:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**974**	**F1**	50.5		mg/Kg			03/04/25 20:42	5

Client Sample ID: S - 42

Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-32

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		02/28/25 12:01	03/01/25 03:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 03:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 03:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	03/01/25 03:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 03:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	03/01/25 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*02/28/25 12:01*	*03/01/25 03:30*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 42

Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-32

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/28/25 12:01*	*03/01/25 03:30*	*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			03/01/25 03:30	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			03/01/25 04:53	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		02/27/25 15:05	03/01/25 04:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 04:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*02/27/25 15:05*	*03/01/25 04:53*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/27/25 15:05*	*03/01/25 04:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**823**		49.9		mg/Kg			03/04/25 21:05	5

Client Sample ID: S - 42

Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-33

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		02/28/25 12:01	03/01/25 03:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	03/01/25 03:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	03/01/25 03:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/25 12:01	03/01/25 03:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	03/01/25 03:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/25 12:01	03/01/25 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*02/28/25 12:01*	*03/01/25 03:51*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/28/25 12:01*	*03/01/25 03:51*	*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			03/01/25 03:51	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			03/01/25 05:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 42
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-33
Matrix: Solid

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		02/27/25 15:05	03/01/25 05:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 05:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*02/27/25 15:05*	*03/01/25 05:08*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/27/25 15:05*	*03/01/25 05:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1020**		49.9		mg/Kg			03/04/25 21:12	5

Client Sample ID: S - 42
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-34
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		02/28/25 12:01	03/01/25 04:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	03/01/25 04:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	03/01/25 04:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/28/25 12:01	03/01/25 04:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/28/25 12:01	03/01/25 04:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/28/25 12:01	03/01/25 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/28/25 12:01*	*03/01/25 04:11*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/28/25 12:01*	*03/01/25 04:11*	*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			03/01/25 04:11	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			03/01/25 05:25	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		02/27/25 15:05	03/01/25 05:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 05:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*02/27/25 15:05*	*03/01/25 05:25*	*1*
o-Terphenyl	*120*		*70 - 130*	*02/27/25 15:05*	*03/01/25 05:25*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 42
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-34
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		49.6		mg/Kg			03/04/25 21:34	5

Client Sample ID: S - 42
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4.5

Lab Sample ID: 890-7727-35
Matrix: Solid

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		02/28/25 12:01	03/01/25 04:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/28/25 12:01	03/01/25 04:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/28/25 12:01	03/01/25 04:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/28/25 12:01	03/01/25 04:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/28/25 12:01	03/01/25 04:32	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/28/25 12:01	03/01/25 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/28/25 12:01*	*03/01/25 04:32*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/28/25 12:01*	*03/01/25 04:32*	*1*

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			03/01/25 04:32	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			03/01/25 05:40	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		02/27/25 15:05	03/01/25 05:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 05:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*02/27/25 15:05*	*03/01/25 05:40*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/27/25 15:05*	*03/01/25 05:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	321		10.1		mg/Kg			03/04/25 21:41	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 0 - 1

Lab Sample ID: 890-7727-36
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		02/28/25 12:01	03/01/25 04:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 04:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 04:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/25 12:01	03/01/25 04:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 04:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/25 12:01	03/01/25 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*02/28/25 12:01*	*03/01/25 04:52*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/28/25 12:01*	*03/01/25 04:52*	*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			03/01/25 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/01/25 05:56	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		02/27/25 15:05	03/01/25 05:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 05:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:05	03/01/25 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*02/27/25 15:05*	*03/01/25 05:56*	*1*
o-Terphenyl	*111*		*70 - 130*	*02/27/25 15:05*	*03/01/25 05:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**264**		9.94		mg/Kg			03/04/25 21:49	1

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-37
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		02/28/25 12:01	03/01/25 05:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 05:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 05:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	03/01/25 05:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 05:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/28/25 12:01	03/01/25 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/28/25 12:01*	*03/01/25 05:13*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-37
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/28/25 12:01*	*03/01/25 05:13*	*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			03/01/25 05:13	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			03/01/25 06:12	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		02/27/25 15:05	03/01/25 06:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 06:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*02/27/25 15:05*	*03/01/25 06:12*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/27/25 15:05*	*03/01/25 06:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**262**		9.98		mg/Kg			03/04/25 21:56	1

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-38
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		02/28/25 12:01	03/01/25 05:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 05:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 05:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/28/25 12:01	03/01/25 05:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 05:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/28/25 12:01	03/01/25 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/28/25 12:01*	*03/01/25 05:33*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/28/25 12:01*	*03/01/25 05:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/01/25 05:33	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			03/01/25 06:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-38
Matrix: Solid

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		02/27/25 15:05	03/01/25 06:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 06:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:05	03/01/25 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*02/27/25 15:05*	*03/01/25 06:28*	*1*
o-Terphenyl	*111*		*70 - 130*	*02/27/25 15:05*	*03/01/25 06:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**242**		10.0		mg/Kg			03/04/25 22:04	1

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-39
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		02/28/25 12:01	03/01/25 05:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 05:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 05:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/28/25 12:01	03/01/25 05:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 05:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/28/25 12:01	03/01/25 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/28/25 12:01*	*03/01/25 05:54*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/28/25 12:01*	*03/01/25 05:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/01/25 05:54	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			03/01/25 06:44	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		02/27/25 15:05	03/01/25 06:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 06:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:05	03/01/25 06:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*02/27/25 15:05*	*03/01/25 06:44*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/27/25 15:05*	*03/01/25 06:44*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-39
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	306		9.94		mg/Kg			03/04/25 22:11	1

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4.5

Lab Sample ID: 890-7727-40
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		02/28/25 12:01	03/01/25 06:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 06:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 06:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/28/25 12:01	03/01/25 06:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	03/01/25 06:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/28/25 12:01	03/01/25 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/28/25 12:01*	*03/01/25 06:14*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/28/25 12:01*	*03/01/25 06:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/01/25 06:14	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			03/01/25 06:58	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		02/27/25 15:05	03/01/25 06:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/27/25 15:05	03/01/25 06:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/27/25 15:05	03/01/25 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/27/25 15:05*	*03/01/25 06:58*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/27/25 15:05*	*03/01/25 06:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	328		9.92		mg/Kg			03/04/25 22:18	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 0 - 1

Lab Sample ID: 890-7727-41
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		03/03/25 08:27	03/03/25 11:57	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		03/03/25 08:27	03/03/25 11:57	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		03/03/25 08:27	03/03/25 11:57	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		03/03/25 08:27	03/03/25 11:57	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		03/03/25 08:27	03/03/25 11:57	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		03/03/25 08:27	03/03/25 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/03/25 08:27*	*03/03/25 11:57*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/03/25 08:27*	*03/03/25 11:57*	*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			03/03/25 11:57	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			02/28/25 16:56	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		02/27/25 15:08	02/28/25 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:08	02/28/25 16:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:08	02/28/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/27/25 15:08*	*02/28/25 16:56*	*1*
o-Terphenyl	*78*		*70 - 130*	*02/27/25 15:08*	*02/28/25 16:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**325**		9.92		mg/Kg			03/03/25 14:12	1

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-42
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:27	03/03/25 12:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:27	03/03/25 12:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:27	03/03/25 12:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/03/25 08:27	03/03/25 12:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/25 08:27	03/03/25 12:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/03/25 08:27	03/03/25 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/03/25 08:27*	*03/03/25 12:17*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-42
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/03/25 08:27*	*03/03/25 12:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/03/25 12:17	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			02/28/25 17:41	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		02/27/25 15:08	02/28/25 17:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:08	02/28/25 17:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:08	02/28/25 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/27/25 15:08*	*02/28/25 17:41*	*1*
o-Terphenyl	*78*		*70 - 130*	*02/27/25 15:08*	*02/28/25 17:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	311		10.0		mg/Kg			03/03/25 14:06	1

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-43
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		03/03/25 08:27	03/03/25 12:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:27	03/03/25 12:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:27	03/03/25 12:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/25 08:27	03/03/25 12:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:27	03/03/25 12:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/25 08:27	03/03/25 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/03/25 08:27*	*03/03/25 12:38*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/03/25 08:27*	*03/03/25 12:38*	*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			03/03/25 12:38	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			02/28/25 17:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-43
Matrix: Solid

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		02/27/25 15:08	02/28/25 17:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:08	02/28/25 17:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:08	02/28/25 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*02/27/25 15:08*	*02/28/25 17:56*	*1*
o-Terphenyl	*71*		*70 - 130*	*02/27/25 15:08*	*02/28/25 17:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**229**		9.96		mg/Kg			03/03/25 14:00	1

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-44
Matrix: Solid

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		03/03/25 08:27	03/03/25 12:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/25 08:27	03/03/25 12:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/25 08:27	03/03/25 12:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/25 08:27	03/03/25 12:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/25 08:27	03/03/25 12:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/25 08:27	03/03/25 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/03/25 08:27*	*03/03/25 12:58*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/03/25 08:27*	*03/03/25 12:58*	*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			03/03/25 12:58	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			02/28/25 18:10	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		02/27/25 15:08	02/28/25 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:08	02/28/25 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:08	02/28/25 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*02/27/25 15:08*	*02/28/25 18:10*	*1*
o-Terphenyl	*71*		*70 - 130*	*02/27/25 15:08*	*02/28/25 18:10*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-44
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		10.0		mg/Kg			03/03/25 13:55	1

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4.5

Lab Sample ID: 890-7727-45
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		03/03/25 08:27	03/03/25 13:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:27	03/03/25 13:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:27	03/03/25 13:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/25 08:27	03/03/25 13:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:27	03/03/25 13:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/25 08:27	03/03/25 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/03/25 08:27*	*03/03/25 13:19*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/03/25 08:27*	*03/03/25 13:19*	*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			03/03/25 13:19	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			02/28/25 18:26	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		02/27/25 15:08	02/28/25 18:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:08	02/28/25 18:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:08	02/28/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*02/27/25 15:08*	*02/28/25 18:26*	*1*
o-Terphenyl	*72*		*70 - 130*	*02/27/25 15:08*	*02/28/25 18:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		10.0		mg/Kg			03/03/25 13:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 0 - 1

Lab Sample ID: 890-7727-46
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		03/03/25 08:27	03/03/25 13:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:27	03/03/25 13:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:27	03/03/25 13:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/25 08:27	03/03/25 13:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:27	03/03/25 13:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/25 08:27	03/03/25 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/03/25 08:27*	*03/03/25 13:39*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/03/25 08:27*	*03/03/25 13:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/03/25 13:39	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			02/28/25 18:40	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		02/27/25 15:08	02/28/25 18:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:08	02/28/25 18:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:08	02/28/25 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*02/27/25 15:08*	*02/28/25 18:40*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*02/27/25 15:08*	*02/28/25 18:40*	*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			03/03/25 13:31	1

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-47
Matrix: Solid

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		03/03/25 08:27	03/03/25 14:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/25 08:27	03/03/25 14:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/25 08:27	03/03/25 14:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/25 08:27	03/03/25 14:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/25 08:27	03/03/25 14:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/25 08:27	03/03/25 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/03/25 08:27*	*03/03/25 14:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 2

Lab Sample ID: 890-7727-47
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*03/03/25 08:27*	*03/03/25 14:00*	*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			03/03/25 14:00	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			02/28/25 18:56	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		02/27/25 15:08	02/28/25 18:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:08	02/28/25 18:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:08	02/28/25 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*02/27/25 15:08*	*02/28/25 18:56*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*02/27/25 15:08*	*02/28/25 18:56*	*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			03/03/25 13:25	1

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-48
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		03/03/25 08:27	03/03/25 14:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:27	03/03/25 14:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:27	03/03/25 14:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/25 08:27	03/03/25 14:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/25 08:27	03/03/25 14:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/25 08:27	03/03/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/03/25 08:27*	*03/03/25 14:20*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*03/03/25 08:27*	*03/03/25 14:20*	*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			03/03/25 14:20	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			02/28/25 19:11	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 3

Lab Sample ID: 890-7727-48
Matrix: Solid

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		02/27/25 15:08	02/28/25 19:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/27/25 15:08	02/28/25 19:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/27/25 15:08	02/28/25 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*02/27/25 15:08*	*02/28/25 19:11*	*1*
o-Terphenyl	*70*		*70 - 130*	*02/27/25 15:08*	*02/28/25 19:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			03/03/25 13:19	1

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-49
Matrix: Solid

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		03/03/25 08:27	03/03/25 14:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/03/25 08:27	03/03/25 14:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/03/25 08:27	03/03/25 14:41	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/03/25 08:27	03/03/25 14:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/03/25 08:27	03/03/25 14:41	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/03/25 08:27	03/03/25 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/03/25 08:27*	*03/03/25 14:41*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/03/25 08:27*	*03/03/25 14:41*	*1*

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			03/03/25 14:41	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			02/28/25 19:28	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		02/27/25 15:08	02/28/25 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 15:08	02/28/25 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 15:08	02/28/25 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*02/27/25 15:08*	*02/28/25 19:28*	*1*
o-Terphenyl	*73*		*70 - 130*	*02/27/25 15:08*	*02/28/25 19:28*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4

Lab Sample ID: 890-7727-49
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			03/03/25 13:13	1

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07
Sample Depth: 4.5

Lab Sample ID: 890-7727-50
Matrix: Solid

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		03/03/25 08:27	03/03/25 15:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/03/25 08:27	03/03/25 15:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/03/25 08:27	03/03/25 15:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/03/25 08:27	03/03/25 15:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/03/25 08:27	03/03/25 15:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/03/25 08:27	03/03/25 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/03/25 08:27*	*03/03/25 15:01*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/03/25 08:27*	*03/03/25 15:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/03/25 15:01	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			02/28/25 19:42	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		02/27/25 15:08	02/28/25 19:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/25 15:08	02/28/25 19:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/25 15:08	02/28/25 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*02/27/25 15:08*	*02/28/25 19:42*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*02/27/25 15:08*	*02/28/25 19:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U F1	10.1		mg/Kg			03/03/25 12:56	1

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County 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)
890-7727-1	S - 15	111	88
890-7727-1 MS	S - 15	102	92
890-7727-1 MSD	S - 15	106	93
890-7727-2	S - 15	105	92
890-7727-3	S - 15	104	92
890-7727-4	S - 15	105	89
890-7727-5	S - 15	103	90
890-7727-6	S - 17	105	92
890-7727-7	S - 17	108	83
890-7727-8	S - 17	102	89
890-7727-9	S - 17	101	89
890-7727-10	S - 17	107	87
890-7727-11	S - 18	122	97
890-7727-11 MS	S - 18	101	103
890-7727-11 MSD	S - 18	97	103
890-7727-12	S - 18	113	97
890-7727-13	S - 18	111	96
890-7727-14	S - 18	118	95
890-7727-15	S - 18	111	96
890-7727-16	S - 19	114	99
890-7727-17	S - 19	109	95
890-7727-18	S - 19	115	97
890-7727-19	S - 19	112	96
890-7727-20	S - 19	106	94
890-7727-21	S - 20	95	96
890-7727-21 MS	S - 20	92	102
890-7727-21 MSD	S - 20	93	104
890-7727-22	S - 20	109	103
890-7727-23	S - 20	97	99
890-7727-24	S - 20	98	99
890-7727-25	S - 20	100	97
890-7727-26	S - 39	95	96
890-7727-27	S - 39	102	99
890-7727-28	S - 39	91	104
890-7727-29	S - 39	96	101
890-7727-30	S - 39	98	101
890-7727-31	S - 42	96	95
890-7727-32	S - 42	93	100
890-7727-33	S - 42	95	101
890-7727-34	S - 42	94	103
890-7727-35	S - 42	100	99
890-7727-36	S - 46	93	100
890-7727-37	S - 46	96	98
890-7727-38	S - 46	98	97
890-7727-39	S - 46	100	98
890-7727-40	S - 46	98	98
890-7727-41	S - 49	102	89
890-7727-41 MS	S - 49	103	90
890-7727-41 MSD	S - 49	92	95

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7727-42	S - 49	104	84
890-7727-43	S - 49	103	84
890-7727-44	S - 49	98	85
890-7727-45	S - 49	101	88
890-7727-46	S - 52	93	97
890-7727-47	S - 52	106	82
890-7727-48	S - 52	98	79
890-7727-49	S - 52	105	84
890-7727-50	S - 52	101	90
LCS 880-104006/1-A	Lab Control Sample	106	99
LCS 880-104007/1-A	Lab Control Sample	93	103
LCS 880-104133/1-A	Lab Control Sample	115	101
LCS 880-104138/1-A	Lab Control Sample	103	103
LCSD 880-104006/2-A	Lab Control Sample Dup	102	93
LCSD 880-104007/2-A	Lab Control Sample Dup	100	97
LCSD 880-104133/2-A	Lab Control Sample Dup	118	112
LCSD 880-104138/2-A	Lab Control Sample Dup	105	105
MB 880-103742/5-B	Method Blank	95	89
MB 880-103980/5-A	Method Blank	91	83
MB 880-104006/5-A	Method Blank	93	85
MB 880-104007/5-A	Method Blank	91	91
MB 880-104133/5-A	Method Blank	88	93
MB 880-104138/5-A	Method Blank	108	89

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7727-1	S - 15	118	110
890-7727-1 MS	S - 15	109	108
890-7727-1 MSD	S - 15	111	109
890-7727-2	S - 15	128	119
890-7727-3	S - 15	115	110
890-7727-4	S - 15	123	113
890-7727-5	S - 15	118	109
890-7727-6	S - 17	117	110
890-7727-7	S - 17	109	109
890-7727-8	S - 17	120	113
890-7727-9	S - 17	119	117
890-7727-10	S - 17	115	107
890-7727-11	S - 18	115	107
890-7727-12	S - 18	112	108
890-7727-13	S - 18	122	113
890-7727-14	S - 18	128	119
890-7727-15	S - 18	116	110

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7727-16	S - 19	122	111
890-7727-17	S - 19	126	115
890-7727-18	S - 19	117	108
890-7727-19	S - 19	125	117
890-7727-20	S - 19	124	112
890-7727-21	S - 20	117	114
890-7727-21 MS	S - 20	102	105
890-7727-21 MSD	S - 20	103	106
890-7727-22	S - 20	118	109
890-7727-23	S - 20	127	115
890-7727-24	S - 20	113	104
890-7727-25	S - 20	121	111
890-7727-26	S - 39	114	103
890-7727-27	S - 39	122	111
890-7727-28	S - 39	116	105
890-7727-29	S - 39	112	101
890-7727-30	S - 39	149 S1+	140 S1+
890-7727-31	S - 42	117	106
890-7727-32	S - 42	122	110
890-7727-33	S - 42	120	114
890-7727-34	S - 42	134 S1+	120
890-7727-35	S - 42	125	114
890-7727-36	S - 46	120	111
890-7727-37	S - 46	121	108
890-7727-38	S - 46	123	111
890-7727-39	S - 46	123	112
890-7727-40	S - 46	117	108
890-7727-41	S - 49	86	78
890-7727-41 MS	S - 49	86	74
890-7727-41 MSD	S - 49	86	76
890-7727-42	S - 49	87	78
890-7727-43	S - 49	79	71
890-7727-44	S - 49	78	71
890-7727-45	S - 49	79	72
890-7727-46	S - 52	74	66 S1-
890-7727-47	S - 52	77	68 S1-
890-7727-48	S - 52	80	70
890-7727-49	S - 52	85	73
890-7727-50	S - 52	76	67 S1-
LCS 880-103888/2-A	Lab Control Sample	142 S1+	136 S1+
LCS 880-103889/2-A	Lab Control Sample	105	102
LCS 880-103890/2-A	Lab Control Sample	108	96
LCSD 880-103888/3-A	Lab Control Sample Dup	129	126
LCSD 880-103889/3-A	Lab Control Sample Dup	108	107
LCSD 880-103890/3-A	Lab Control Sample Dup	103	91
MB 880-103888/1-A	Method Blank	196 S1+	261 S1+
MB 880-103889/1-A	Method Blank	178 S1+	163 S1+
MB 880-103890/1-A	Method Blank	163 S1+	146 S1+

Surrogate Legend

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-103742/5-B
Matrix: Solid
Analysis Batch: 103959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/25 11:09	02/28/25 11:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 11:09	02/28/25 11:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 11:09	02/28/25 11:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 11:09	02/28/25 11:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 11:09	02/28/25 11:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 11:09	02/28/25 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*02/27/25 11:09*	*02/28/25 11:09*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/27/25 11:09*	*02/28/25 11:09*	*1*

Lab Sample ID: MB 880-103980/5-A
Matrix: Solid
Analysis Batch: 103958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/28/25 09:14	02/28/25 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 09:14	02/28/25 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 09:14	02/28/25 11:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/25 09:14	02/28/25 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 09:14	02/28/25 11:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/25 09:14	02/28/25 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*02/28/25 09:14*	*02/28/25 11:08*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*02/28/25 09:14*	*02/28/25 11:08*	*1*

Lab Sample ID: MB 880-104006/5-A
Matrix: Solid
Analysis Batch: 103958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	02/28/25 22:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	02/28/25 22:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	02/28/25 22:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/25 11:57	02/28/25 22:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 11:57	02/28/25 22:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/25 11:57	02/28/25 22:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*02/28/25 11:57*	*02/28/25 22:03*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*02/28/25 11:57*	*02/28/25 22:03*	*1*

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-104006/1-A
Matrix: Solid
Analysis Batch: 103958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104006

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09299		mg/Kg		93	70 - 130		
Toluene			0.100	0.08116		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.08594		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene			0.200	0.1680		mg/Kg		84	70 - 130		
o-Xylene			0.100	0.09107		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-104006/2-A
Matrix: Solid
Analysis Batch: 103958

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104006

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07786		mg/Kg		78	70 - 130	18	35
Toluene			0.100	0.07473		mg/Kg		75	70 - 130	8	35
Ethylbenzene			0.100	0.07859		mg/Kg		79	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.1530		mg/Kg		77	70 - 130	9	35
o-Xylene			0.100	0.08308		mg/Kg		83	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-7727-1 MS
Matrix: Solid
Analysis Batch: 103958

Client Sample ID: S - 15
Prep Type: Total/NA
Prep Batch: 104006

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09616		mg/Kg		96	70 - 130		
Toluene	<0.00200	U	0.100	0.08244		mg/Kg		82	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08645		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1662		mg/Kg		83	70 - 130		
o-Xylene	<0.00200	U	0.100	0.08729		mg/Kg		87	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-7727-1 MSD
Matrix: Solid
Analysis Batch: 103958

Client Sample ID: S - 15
Prep Type: Total/NA
Prep Batch: 104006

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09902		mg/Kg		99	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08764		mg/Kg		88	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.09228		mg/Kg		92	70 - 130	7	35

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

Lab Sample ID: 890-7727-1 MSD
Matrix: Solid
Analysis Batch: 103958

Client Sample ID: S - 15
Prep Type: Total/NA
Prep Batch: 104006

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1790		mg/Kg		89	70 - 130	7	35
o-Xylene	<0.00200	U	0.100	0.09409		mg/Kg		94	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: MB 880-104007/5-A
Matrix: Solid
Analysis Batch: 103959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	02/28/25 22:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	02/28/25 22:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	02/28/25 22:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/28/25 12:01	02/28/25 22:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/25 12:01	02/28/25 22:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/28/25 12:01	02/28/25 22:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*02/28/25 12:01*	*02/28/25 22:08*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/28/25 12:01*	*02/28/25 22:08*	*1*

Lab Sample ID: LCS 880-104007/1-A
Matrix: Solid
Analysis Batch: 103959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09911		mg/Kg		99	70 - 130
Toluene	0.100	0.1016		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09639		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1774		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09228		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-104007/2-A
Matrix: Solid
Analysis Batch: 103959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104007

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1004		mg/Kg		100	70 - 130	1	35
Toluene	0.100	0.1078		mg/Kg		108	70 - 130	6	35
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1913		mg/Kg		96	70 - 130	8	35
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130	9	35

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-7727-21 MS
Matrix: Solid
Analysis Batch: 103959

Client Sample ID: S - 20
Prep Type: Total/NA
Prep Batch: 104007

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1055		mg/Kg		106	70 - 130
Toluene	<0.00200	U	0.100	0.1028		mg/Kg		103	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09330		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1665		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.08437		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-7727-21 MSD
Matrix: Solid
Analysis Batch: 103959

Client Sample ID: S - 20
Prep Type: Total/NA
Prep Batch: 104007

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1016		mg/Kg		102	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.09579		mg/Kg		96	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08603		mg/Kg		86	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1545		mg/Kg		77	70 - 130	7	35
o-Xylene	<0.00200	U	0.100	0.07806		mg/Kg		78	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-104133/5-A
Matrix: Solid
Analysis Batch: 104137

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104133

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:27	03/03/25 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:27	03/03/25 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:27	03/03/25 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/25 08:27	03/03/25 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:27	03/03/25 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/25 08:27	03/03/25 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	03/03/25 08:27	03/03/25 11:35	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/03/25 08:27	03/03/25 11:35	1

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-104133/1-A
Matrix: Solid
Analysis Batch: 104137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104133

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1023		mg/Kg		102	70 - 130		
Toluene			0.100	0.09326		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.1068		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene			0.200	0.2123		mg/Kg		106	70 - 130		
o-Xylene			0.100	0.1164		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-104133/2-A
Matrix: Solid
Analysis Batch: 104137

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104133

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1059		mg/Kg		106	70 - 130	3	35
Toluene			0.100	0.09438		mg/Kg		94	70 - 130	1	35
Ethylbenzene			0.100	0.09760		mg/Kg		98	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.2006		mg/Kg		100	70 - 130	6	35
o-Xylene			0.100	0.09750		mg/Kg		98	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 890-7727-41 MS
Matrix: Solid
Analysis Batch: 104137

Client Sample ID: S - 49
Prep Type: Total/NA
Prep Batch: 104133

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		1	70 - 130		
Toluene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130		
Ethylbenzene	<0.00200	U F2 F1	0.100	<0.00200	U F1	mg/Kg		2	70 - 130		
m-Xylene & p-Xylene	<0.00399	U F1	0.200	<0.00400	U F1	mg/Kg		2	70 - 130		
o-Xylene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		2	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 890-7727-41 MSD
Matrix: Solid
Analysis Batch: 104137

Client Sample ID: S - 49
Prep Type: Total/NA
Prep Batch: 104133

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		2	70 - 130	11	35
Toluene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00200	U F2 F1	0.100	<0.00200	U F2 F1	mg/Kg		1	70 - 130	36	35

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

Lab Sample ID: 890-7727-41 MSD
Matrix: Solid
Analysis Batch: 104137

Client Sample ID: S - 49
Prep Type: Total/NA
Prep Batch: 104133

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U F1	0.200	<0.00400	U F1	mg/Kg		1	70 - 130	25	35
o-Xylene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-104138/5-A
Matrix: Solid
Analysis Batch: 104099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 11:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 11:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 11:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/25 08:36	03/03/25 11:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/25 08:36	03/03/25 11:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/25 08:36	03/03/25 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/03/25 08:36*	*03/03/25 11:25*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/03/25 08:36*	*03/03/25 11:25*	*1*

Lab Sample ID: LCS 880-104138/1-A
Matrix: Solid
Analysis Batch: 104099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1183		mg/Kg		118	70 - 130
Toluene	0.100	0.1253		mg/Kg		125	70 - 130
Ethylbenzene	0.100	0.1125		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2294		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1151		mg/Kg		115	70 - 130

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

Lab Sample ID: LCSD 880-104138/2-A
Matrix: Solid
Analysis Batch: 104099

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104138

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1268		mg/Kg		127	70 - 130	7	35
Toluene	0.100	0.1297		mg/Kg		130	70 - 130	4	35
Ethylbenzene	0.100	0.1166		mg/Kg		117	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2366		mg/Kg		118	70 - 130	3	35
o-Xylene	0.100	0.1185		mg/Kg		118	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

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

Lab Sample ID: 890-7727-11 MS — **Client Sample ID: S - 18**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104099 — **Prep Batch: 104138**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09911		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.1026		mg/Kg		103	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09241		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1868		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.100	0.09528		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-7727-11 MSD — **Client Sample ID: S - 18**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104099 — **Prep Batch: 104138**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1044		mg/Kg		104	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.1060		mg/Kg		106	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.09475		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1906		mg/Kg		95	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.09615		mg/Kg		96	70 - 130	1	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 880-103888/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103978 — **Prep Batch: 103888**

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		02/27/25 14:53	02/28/25 15:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 14:53	02/28/25 15:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 14:53	02/28/25 15:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	196	S1+	70 - 130	02/27/25 14:53	02/28/25 15:49	1
o-Terphenyl	261	S1+	70 - 130	02/27/25 14:53	02/28/25 15:49	1

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-103888/2-A
Matrix: Solid
Analysis Batch: 103978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103888

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1239		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1268		mg/Kg		127	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*142*	*S1+*	*70 - 130*
o-Terphenyl	*136*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-103888/3-A
Matrix: Solid
Analysis Batch: 103978

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103888

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1147		mg/Kg		115	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	1171		mg/Kg		117	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*126*		*70 - 130*

Lab Sample ID: 890-7727-1 MS
Matrix: Solid
Analysis Batch: 103978

Client Sample ID: S - 15
Prep Type: Total/NA
Prep Batch: 103888

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1003		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	998	986.9		mg/Kg		99	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: 890-7727-1 MSD
Matrix: Solid
Analysis Batch: 103978

Client Sample ID: S - 15
Prep Type: Total/NA
Prep Batch: 103888

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1017		mg/Kg		102	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1014		mg/Kg		102	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

Lab Sample ID: 890-7727-1 MSD
Matrix: Solid
Analysis Batch: 103978

Client Sample ID: S - 15
Prep Type: Total/NA
Prep Batch: 103888

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	109		70 - 130

Lab Sample ID: MB 880-103889/1-A
Matrix: Solid
Analysis Batch: 103978

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103889

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		02/27/25 14:53	03/01/25 00:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 14:53	03/01/25 00:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 14:53	03/01/25 00:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	178	S1+	70 - 130	02/27/25 14:53	03/01/25 00:18	1
o-Terphenyl	163	S1+	70 - 130	02/27/25 14:53	03/01/25 00:18	1

Lab Sample ID: LCS 880-103889/2-A
Matrix: Solid
Analysis Batch: 103978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103889

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1100		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1082		mg/Kg		108	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-103889/3-A
Matrix: Solid
Analysis Batch: 103978

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103889

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1159		mg/Kg		116	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1147		mg/Kg		115	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	107		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

Lab Sample ID: 890-7727-21 MS
Matrix: Solid
Analysis Batch: 103978

Client Sample ID: S - 20
Prep Type: Total/NA
Prep Batch: 103889

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	996	1056		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	996	1036		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: 890-7727-21 MSD
Matrix: Solid
Analysis Batch: 103978

Client Sample ID: S - 20
Prep Type: Total/NA
Prep Batch: 103889

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	996	1096		mg/Kg		110	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.8	U	996	1055		mg/Kg		106	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: MB 880-103890/1-A
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103890

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		02/27/25 14:53	02/28/25 15:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 14:53	02/28/25 15:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 14:53	02/28/25 15:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*163*	*S1+*	*70 - 130*	*02/27/25 14:53*	*02/28/25 15:51*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*02/27/25 14:53*	*02/28/25 15:51*	*1*

Lab Sample ID: LCS 880-103890/2-A
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1197		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1272		mg/Kg		127	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-103890/2-A
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103890

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: LCSD 880-103890/3-A
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103890

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1258		mg/Kg		126	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1091		mg/Kg		109	70 - 130	15	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 890-7727-41 MS
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: S - 49
Prep Type: Total/NA
Prep Batch: 103890

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	995	801.1		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	995	761.5		mg/Kg		77	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: 890-7727-41 MSD
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: S - 49
Prep Type: Total/NA
Prep Batch: 103890

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	995	859.8		mg/Kg		86	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.9	U	995	783.0		mg/Kg		79	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	76		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-104086/1-A
Matrix: Solid
Analysis Batch: 104176

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			03/03/25 12:38	1

Lab Sample ID: LCS 880-104086/2-A
Matrix: Solid
Analysis Batch: 104176

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	260.5		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-104086/3-A
Matrix: Solid
Analysis Batch: 104176

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: 890-7727-50 MS
Matrix: Solid
Analysis Batch: 104176

Client Sample ID: S - 52
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.1	U F1	252	286.5	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 890-7727-50 MSD
Matrix: Solid
Analysis Batch: 104176

Client Sample ID: S - 52
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U F1	252	286.5	F1	mg/Kg		111	90 - 110	0	20

Lab Sample ID: MB 880-104132/1-A
Matrix: Solid
Analysis Batch: 104222

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			03/04/25 19:54	1

Lab Sample ID: LCS 880-104132/2-A
Matrix: Solid
Analysis Batch: 104222

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	267.8		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-104132/3-A
Matrix: Solid
Analysis Batch: 104222

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	268.9		mg/Kg		108	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-7727-1 MS
Matrix: Solid
Analysis Batch: 104222

Client Sample ID: S - 15
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2330	F1	1260	3956	F1	mg/Kg		129	90 - 110

Lab Sample ID: 890-7727-1 MSD
Matrix: Solid
Analysis Batch: 104222

Client Sample ID: S - 15
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2330	F1	1260	3964	F1	mg/Kg		130	90 - 110	0	20

Lab Sample ID: 890-7727-11 MS
Matrix: Solid
Analysis Batch: 104222

Client Sample ID: S - 18
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3240	F1	1260	4885	F1	mg/Kg		131	90 - 110

Lab Sample ID: 890-7727-11 MSD
Matrix: Solid
Analysis Batch: 104222

Client Sample ID: S - 18
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3240	F1	1260	4899	F1	mg/Kg		132	90 - 110	0	20

Lab Sample ID: MB 880-104134/1-A
Matrix: Solid
Analysis Batch: 104288

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			03/04/25 18:37	1

Lab Sample ID: LCS 880-104134/2-A
Matrix: Solid
Analysis Batch: 104288

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-104134/3-A
Matrix: Solid
Analysis Batch: 104288

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	265.3		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 890-7727-21 MS
Matrix: Solid
Analysis Batch: 104288

Client Sample ID: S - 20
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3550	F1	2480	7182	F1	mg/Kg		146	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-7727-21 MSD
Matrix: Solid
Analysis Batch: 104288

Client Sample ID: S - 20
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3550	F1	2480	6850	F1	mg/Kg		133	90 - 110	5	20

Lab Sample ID: 890-7727-31 MS
Matrix: Solid
Analysis Batch: 104288

Client Sample ID: S - 42
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	974	F1	1260	2482	F1	mg/Kg		119	90 - 110

Lab Sample ID: 890-7727-31 MSD
Matrix: Solid
Analysis Batch: 104288

Client Sample ID: S - 42
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	974	F1	1260	2454	F1	mg/Kg		117	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

GC VOA

Prep Batch: 103742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-103742/5-B	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 103958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-1	S - 15	Total/NA	Solid	8021B	104006
890-7727-2	S - 15	Total/NA	Solid	8021B	104006
890-7727-3	S - 15	Total/NA	Solid	8021B	104006
890-7727-4	S - 15	Total/NA	Solid	8021B	104006
890-7727-5	S - 15	Total/NA	Solid	8021B	104006
890-7727-6	S - 17	Total/NA	Solid	8021B	104006
890-7727-7	S - 17	Total/NA	Solid	8021B	104006
890-7727-8	S - 17	Total/NA	Solid	8021B	104006
890-7727-9	S - 17	Total/NA	Solid	8021B	104006
890-7727-10	S - 17	Total/NA	Solid	8021B	104006
MB 880-103980/5-A	Method Blank	Total/NA	Solid	8021B	103980
MB 880-104006/5-A	Method Blank	Total/NA	Solid	8021B	104006
LCS 880-104006/1-A	Lab Control Sample	Total/NA	Solid	8021B	104006
LCSD 880-104006/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	104006
890-7727-1 MS	S - 15	Total/NA	Solid	8021B	104006
890-7727-1 MSD	S - 15	Total/NA	Solid	8021B	104006

Analysis Batch: 103959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-21	S - 20	Total/NA	Solid	8021B	104007
890-7727-22	S - 20	Total/NA	Solid	8021B	104007
890-7727-23	S - 20	Total/NA	Solid	8021B	104007
890-7727-24	S - 20	Total/NA	Solid	8021B	104007
890-7727-25	S - 20	Total/NA	Solid	8021B	104007
890-7727-26	S - 39	Total/NA	Solid	8021B	104007
890-7727-27	S - 39	Total/NA	Solid	8021B	104007
890-7727-28	S - 39	Total/NA	Solid	8021B	104007
890-7727-29	S - 39	Total/NA	Solid	8021B	104007
890-7727-30	S - 39	Total/NA	Solid	8021B	104007
890-7727-31	S - 42	Total/NA	Solid	8021B	104007
890-7727-32	S - 42	Total/NA	Solid	8021B	104007
890-7727-33	S - 42	Total/NA	Solid	8021B	104007
890-7727-34	S - 42	Total/NA	Solid	8021B	104007
890-7727-35	S - 42	Total/NA	Solid	8021B	104007
890-7727-36	S - 46	Total/NA	Solid	8021B	104007
890-7727-37	S - 46	Total/NA	Solid	8021B	104007
890-7727-38	S - 46	Total/NA	Solid	8021B	104007
890-7727-39	S - 46	Total/NA	Solid	8021B	104007
890-7727-40	S - 46	Total/NA	Solid	8021B	104007
MB 880-103742/5-B	Method Blank	Total/NA	Solid	8021B	103742
MB 880-104007/5-A	Method Blank	Total/NA	Solid	8021B	104007
LCS 880-104007/1-A	Lab Control Sample	Total/NA	Solid	8021B	104007
LCSD 880-104007/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	104007
890-7727-21 MS	S - 20	Total/NA	Solid	8021B	104007
890-7727-21 MSD	S - 20	Total/NA	Solid	8021B	104007

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

GC VOA

Prep Batch: 103980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-103980/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 104006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-1	S - 15	Total/NA	Solid	5035	
890-7727-2	S - 15	Total/NA	Solid	5035	
890-7727-3	S - 15	Total/NA	Solid	5035	
890-7727-4	S - 15	Total/NA	Solid	5035	
890-7727-5	S - 15	Total/NA	Solid	5035	
890-7727-6	S - 17	Total/NA	Solid	5035	
890-7727-7	S - 17	Total/NA	Solid	5035	
890-7727-8	S - 17	Total/NA	Solid	5035	
890-7727-9	S - 17	Total/NA	Solid	5035	
890-7727-10	S - 17	Total/NA	Solid	5035	
MB 880-104006/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-104006/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-104006/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7727-1 MS	S - 15	Total/NA	Solid	5035	
890-7727-1 MSD	S - 15	Total/NA	Solid	5035	

Prep Batch: 104007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-21	S - 20	Total/NA	Solid	5035	
890-7727-22	S - 20	Total/NA	Solid	5035	
890-7727-23	S - 20	Total/NA	Solid	5035	
890-7727-24	S - 20	Total/NA	Solid	5035	
890-7727-25	S - 20	Total/NA	Solid	5035	
890-7727-26	S - 39	Total/NA	Solid	5035	
890-7727-27	S - 39	Total/NA	Solid	5035	
890-7727-28	S - 39	Total/NA	Solid	5035	
890-7727-29	S - 39	Total/NA	Solid	5035	
890-7727-30	S - 39	Total/NA	Solid	5035	
890-7727-31	S - 42	Total/NA	Solid	5035	
890-7727-32	S - 42	Total/NA	Solid	5035	
890-7727-33	S - 42	Total/NA	Solid	5035	
890-7727-34	S - 42	Total/NA	Solid	5035	
890-7727-35	S - 42	Total/NA	Solid	5035	
890-7727-36	S - 46	Total/NA	Solid	5035	
890-7727-37	S - 46	Total/NA	Solid	5035	
890-7727-38	S - 46	Total/NA	Solid	5035	
890-7727-39	S - 46	Total/NA	Solid	5035	
890-7727-40	S - 46	Total/NA	Solid	5035	
MB 880-104007/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-104007/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-104007/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7727-21 MS	S - 20	Total/NA	Solid	5035	
890-7727-21 MSD	S - 20	Total/NA	Solid	5035	

Analysis Batch: 104099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-11	S - 18	Total/NA	Solid	8021B	104138

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 104099 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-12	S - 18	Total/NA	Solid	8021B	104138
890-7727-13	S - 18	Total/NA	Solid	8021B	104138
890-7727-14	S - 18	Total/NA	Solid	8021B	104138
890-7727-15	S - 18	Total/NA	Solid	8021B	104138
890-7727-16	S - 19	Total/NA	Solid	8021B	104138
890-7727-17	S - 19	Total/NA	Solid	8021B	104138
890-7727-18	S - 19	Total/NA	Solid	8021B	104138
890-7727-19	S - 19	Total/NA	Solid	8021B	104138
890-7727-20	S - 19	Total/NA	Solid	8021B	104138
MB 880-104138/5-A	Method Blank	Total/NA	Solid	8021B	104138
LCS 880-104138/1-A	Lab Control Sample	Total/NA	Solid	8021B	104138
LCSD 880-104138/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	104138
890-7727-11 MS	S - 18	Total/NA	Solid	8021B	104138
890-7727-11 MSD	S - 18	Total/NA	Solid	8021B	104138

Prep Batch: 104133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-41	S - 49	Total/NA	Solid	5035	
890-7727-42	S - 49	Total/NA	Solid	5035	
890-7727-43	S - 49	Total/NA	Solid	5035	
890-7727-44	S - 49	Total/NA	Solid	5035	
890-7727-45	S - 49	Total/NA	Solid	5035	
890-7727-46	S - 52	Total/NA	Solid	5035	
890-7727-47	S - 52	Total/NA	Solid	5035	
890-7727-48	S - 52	Total/NA	Solid	5035	
890-7727-49	S - 52	Total/NA	Solid	5035	
890-7727-50	S - 52	Total/NA	Solid	5035	
MB 880-104133/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-104133/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-104133/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7727-41 MS	S - 49	Total/NA	Solid	5035	
890-7727-41 MSD	S - 49	Total/NA	Solid	5035	

Analysis Batch: 104137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-41	S - 49	Total/NA	Solid	8021B	104133
890-7727-42	S - 49	Total/NA	Solid	8021B	104133
890-7727-43	S - 49	Total/NA	Solid	8021B	104133
890-7727-44	S - 49	Total/NA	Solid	8021B	104133
890-7727-45	S - 49	Total/NA	Solid	8021B	104133
890-7727-46	S - 52	Total/NA	Solid	8021B	104133
890-7727-47	S - 52	Total/NA	Solid	8021B	104133
890-7727-48	S - 52	Total/NA	Solid	8021B	104133
890-7727-49	S - 52	Total/NA	Solid	8021B	104133
890-7727-50	S - 52	Total/NA	Solid	8021B	104133
MB 880-104133/5-A	Method Blank	Total/NA	Solid	8021B	104133
LCS 880-104133/1-A	Lab Control Sample	Total/NA	Solid	8021B	104133
LCSD 880-104133/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	104133
890-7727-41 MS	S - 49	Total/NA	Solid	8021B	104133
890-7727-41 MSD	S - 49	Total/NA	Solid	8021B	104133

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

GC VOA

Prep Batch: 104138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-11	S - 18	Total/NA	Solid	5035	
890-7727-12	S - 18	Total/NA	Solid	5035	
890-7727-13	S - 18	Total/NA	Solid	5035	
890-7727-14	S - 18	Total/NA	Solid	5035	
890-7727-15	S - 18	Total/NA	Solid	5035	
890-7727-16	S - 19	Total/NA	Solid	5035	
890-7727-17	S - 19	Total/NA	Solid	5035	
890-7727-18	S - 19	Total/NA	Solid	5035	
890-7727-19	S - 19	Total/NA	Solid	5035	
890-7727-20	S - 19	Total/NA	Solid	5035	
MB 880-104138/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-104138/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-104138/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7727-11 MS	S - 18	Total/NA	Solid	5035	
890-7727-11 MSD	S - 18	Total/NA	Solid	5035	

Analysis Batch: 104215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-1	S - 15	Total/NA	Solid	Total BTEX	
890-7727-2	S - 15	Total/NA	Solid	Total BTEX	
890-7727-3	S - 15	Total/NA	Solid	Total BTEX	
890-7727-4	S - 15	Total/NA	Solid	Total BTEX	
890-7727-5	S - 15	Total/NA	Solid	Total BTEX	
890-7727-6	S - 17	Total/NA	Solid	Total BTEX	
890-7727-7	S - 17	Total/NA	Solid	Total BTEX	
890-7727-8	S - 17	Total/NA	Solid	Total BTEX	
890-7727-9	S - 17	Total/NA	Solid	Total BTEX	
890-7727-10	S - 17	Total/NA	Solid	Total BTEX	
890-7727-11	S - 18	Total/NA	Solid	Total BTEX	
890-7727-12	S - 18	Total/NA	Solid	Total BTEX	
890-7727-13	S - 18	Total/NA	Solid	Total BTEX	
890-7727-14	S - 18	Total/NA	Solid	Total BTEX	
890-7727-15	S - 18	Total/NA	Solid	Total BTEX	
890-7727-16	S - 19	Total/NA	Solid	Total BTEX	
890-7727-17	S - 19	Total/NA	Solid	Total BTEX	
890-7727-18	S - 19	Total/NA	Solid	Total BTEX	
890-7727-19	S - 19	Total/NA	Solid	Total BTEX	
890-7727-20	S - 19	Total/NA	Solid	Total BTEX	
890-7727-21	S - 20	Total/NA	Solid	Total BTEX	
890-7727-22	S - 20	Total/NA	Solid	Total BTEX	
890-7727-23	S - 20	Total/NA	Solid	Total BTEX	
890-7727-24	S - 20	Total/NA	Solid	Total BTEX	
890-7727-25	S - 20	Total/NA	Solid	Total BTEX	
890-7727-26	S - 39	Total/NA	Solid	Total BTEX	
890-7727-27	S - 39	Total/NA	Solid	Total BTEX	
890-7727-28	S - 39	Total/NA	Solid	Total BTEX	
890-7727-29	S - 39	Total/NA	Solid	Total BTEX	
890-7727-30	S - 39	Total/NA	Solid	Total BTEX	
890-7727-31	S - 42	Total/NA	Solid	Total BTEX	
890-7727-32	S - 42	Total/NA	Solid	Total BTEX	
890-7727-33	S - 42	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 104215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-34	S - 42	Total/NA	Solid	Total BTEX	
890-7727-35	S - 42	Total/NA	Solid	Total BTEX	
890-7727-36	S - 46	Total/NA	Solid	Total BTEX	
890-7727-37	S - 46	Total/NA	Solid	Total BTEX	
890-7727-38	S - 46	Total/NA	Solid	Total BTEX	
890-7727-39	S - 46	Total/NA	Solid	Total BTEX	
890-7727-40	S - 46	Total/NA	Solid	Total BTEX	
890-7727-41	S - 49	Total/NA	Solid	Total BTEX	
890-7727-42	S - 49	Total/NA	Solid	Total BTEX	
890-7727-43	S - 49	Total/NA	Solid	Total BTEX	
890-7727-44	S - 49	Total/NA	Solid	Total BTEX	
890-7727-45	S - 49	Total/NA	Solid	Total BTEX	
890-7727-46	S - 52	Total/NA	Solid	Total BTEX	
890-7727-47	S - 52	Total/NA	Solid	Total BTEX	
890-7727-48	S - 52	Total/NA	Solid	Total BTEX	
890-7727-49	S - 52	Total/NA	Solid	Total BTEX	
890-7727-50	S - 52	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 103888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-1	S - 15	Total/NA	Solid	8015NM Prep	
890-7727-2	S - 15	Total/NA	Solid	8015NM Prep	
890-7727-3	S - 15	Total/NA	Solid	8015NM Prep	
890-7727-4	S - 15	Total/NA	Solid	8015NM Prep	
890-7727-5	S - 15	Total/NA	Solid	8015NM Prep	
890-7727-6	S - 17	Total/NA	Solid	8015NM Prep	
890-7727-7	S - 17	Total/NA	Solid	8015NM Prep	
890-7727-8	S - 17	Total/NA	Solid	8015NM Prep	
890-7727-9	S - 17	Total/NA	Solid	8015NM Prep	
890-7727-10	S - 17	Total/NA	Solid	8015NM Prep	
890-7727-11	S - 18	Total/NA	Solid	8015NM Prep	
890-7727-12	S - 18	Total/NA	Solid	8015NM Prep	
890-7727-13	S - 18	Total/NA	Solid	8015NM Prep	
890-7727-14	S - 18	Total/NA	Solid	8015NM Prep	
890-7727-15	S - 18	Total/NA	Solid	8015NM Prep	
890-7727-16	S - 19	Total/NA	Solid	8015NM Prep	
890-7727-17	S - 19	Total/NA	Solid	8015NM Prep	
890-7727-18	S - 19	Total/NA	Solid	8015NM Prep	
890-7727-19	S - 19	Total/NA	Solid	8015NM Prep	
890-7727-20	S - 19	Total/NA	Solid	8015NM Prep	
MB 880-103888/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103888/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103888/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7727-1 MS	S - 15	Total/NA	Solid	8015NM Prep	
890-7727-1 MSD	S - 15	Total/NA	Solid	8015NM Prep	

Prep Batch: 103889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-21	S - 20	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Prep Batch: 103889 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-22	S - 20	Total/NA	Solid	8015NM Prep	
890-7727-23	S - 20	Total/NA	Solid	8015NM Prep	
890-7727-24	S - 20	Total/NA	Solid	8015NM Prep	
890-7727-25	S - 20	Total/NA	Solid	8015NM Prep	
890-7727-26	S - 39	Total/NA	Solid	8015NM Prep	
890-7727-27	S - 39	Total/NA	Solid	8015NM Prep	
890-7727-28	S - 39	Total/NA	Solid	8015NM Prep	
890-7727-29	S - 39	Total/NA	Solid	8015NM Prep	
890-7727-30	S - 39	Total/NA	Solid	8015NM Prep	
890-7727-31	S - 42	Total/NA	Solid	8015NM Prep	
890-7727-32	S - 42	Total/NA	Solid	8015NM Prep	
890-7727-33	S - 42	Total/NA	Solid	8015NM Prep	
890-7727-34	S - 42	Total/NA	Solid	8015NM Prep	
890-7727-35	S - 42	Total/NA	Solid	8015NM Prep	
890-7727-36	S - 46	Total/NA	Solid	8015NM Prep	
890-7727-37	S - 46	Total/NA	Solid	8015NM Prep	
890-7727-38	S - 46	Total/NA	Solid	8015NM Prep	
890-7727-39	S - 46	Total/NA	Solid	8015NM Prep	
890-7727-40	S - 46	Total/NA	Solid	8015NM Prep	
MB 880-103889/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103889/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103889/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7727-21 MS	S - 20	Total/NA	Solid	8015NM Prep	
890-7727-21 MSD	S - 20	Total/NA	Solid	8015NM Prep	

Prep Batch: 103890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-41	S - 49	Total/NA	Solid	8015NM Prep	
890-7727-42	S - 49	Total/NA	Solid	8015NM Prep	
890-7727-43	S - 49	Total/NA	Solid	8015NM Prep	
890-7727-44	S - 49	Total/NA	Solid	8015NM Prep	
890-7727-45	S - 49	Total/NA	Solid	8015NM Prep	
890-7727-46	S - 52	Total/NA	Solid	8015NM Prep	
890-7727-47	S - 52	Total/NA	Solid	8015NM Prep	
890-7727-48	S - 52	Total/NA	Solid	8015NM Prep	
890-7727-49	S - 52	Total/NA	Solid	8015NM Prep	
890-7727-50	S - 52	Total/NA	Solid	8015NM Prep	
MB 880-103890/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103890/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103890/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7727-41 MS	S - 49	Total/NA	Solid	8015NM Prep	
890-7727-41 MSD	S - 49	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-41	S - 49	Total/NA	Solid	8015B NM	103890
890-7727-42	S - 49	Total/NA	Solid	8015B NM	103890
890-7727-43	S - 49	Total/NA	Solid	8015B NM	103890
890-7727-44	S - 49	Total/NA	Solid	8015B NM	103890
890-7727-45	S - 49	Total/NA	Solid	8015B NM	103890
890-7727-46	S - 52	Total/NA	Solid	8015B NM	103890

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 103971 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-47	S - 52	Total/NA	Solid	8015B NM	103890
890-7727-48	S - 52	Total/NA	Solid	8015B NM	103890
890-7727-49	S - 52	Total/NA	Solid	8015B NM	103890
890-7727-50	S - 52	Total/NA	Solid	8015B NM	103890
MB 880-103890/1-A	Method Blank	Total/NA	Solid	8015B NM	103890
LCS 880-103890/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103890
LCSD 880-103890/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103890
890-7727-41 MS	S - 49	Total/NA	Solid	8015B NM	103890
890-7727-41 MSD	S - 49	Total/NA	Solid	8015B NM	103890

Analysis Batch: 103978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-1	S - 15	Total/NA	Solid	8015B NM	103888
890-7727-2	S - 15	Total/NA	Solid	8015B NM	103888
890-7727-3	S - 15	Total/NA	Solid	8015B NM	103888
890-7727-4	S - 15	Total/NA	Solid	8015B NM	103888
890-7727-5	S - 15	Total/NA	Solid	8015B NM	103888
890-7727-6	S - 17	Total/NA	Solid	8015B NM	103888
890-7727-7	S - 17	Total/NA	Solid	8015B NM	103888
890-7727-8	S - 17	Total/NA	Solid	8015B NM	103888
890-7727-9	S - 17	Total/NA	Solid	8015B NM	103888
890-7727-10	S - 17	Total/NA	Solid	8015B NM	103888
890-7727-11	S - 18	Total/NA	Solid	8015B NM	103888
890-7727-12	S - 18	Total/NA	Solid	8015B NM	103888
890-7727-13	S - 18	Total/NA	Solid	8015B NM	103888
890-7727-14	S - 18	Total/NA	Solid	8015B NM	103888
890-7727-15	S - 18	Total/NA	Solid	8015B NM	103888
890-7727-16	S - 19	Total/NA	Solid	8015B NM	103888
890-7727-17	S - 19	Total/NA	Solid	8015B NM	103888
890-7727-18	S - 19	Total/NA	Solid	8015B NM	103888
890-7727-19	S - 19	Total/NA	Solid	8015B NM	103888
890-7727-20	S - 19	Total/NA	Solid	8015B NM	103888
890-7727-21	S - 20	Total/NA	Solid	8015B NM	103889
890-7727-22	S - 20	Total/NA	Solid	8015B NM	103889
890-7727-23	S - 20	Total/NA	Solid	8015B NM	103889
890-7727-24	S - 20	Total/NA	Solid	8015B NM	103889
890-7727-25	S - 20	Total/NA	Solid	8015B NM	103889
890-7727-26	S - 39	Total/NA	Solid	8015B NM	103889
890-7727-27	S - 39	Total/NA	Solid	8015B NM	103889
890-7727-28	S - 39	Total/NA	Solid	8015B NM	103889
890-7727-29	S - 39	Total/NA	Solid	8015B NM	103889
890-7727-30	S - 39	Total/NA	Solid	8015B NM	103889
890-7727-31	S - 42	Total/NA	Solid	8015B NM	103889
890-7727-32	S - 42	Total/NA	Solid	8015B NM	103889
890-7727-33	S - 42	Total/NA	Solid	8015B NM	103889
890-7727-34	S - 42	Total/NA	Solid	8015B NM	103889
890-7727-35	S - 42	Total/NA	Solid	8015B NM	103889
890-7727-36	S - 46	Total/NA	Solid	8015B NM	103889
890-7727-37	S - 46	Total/NA	Solid	8015B NM	103889
890-7727-38	S - 46	Total/NA	Solid	8015B NM	103889
890-7727-39	S - 46	Total/NA	Solid	8015B NM	103889

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 103978 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-40	S - 46	Total/NA	Solid	8015B NM	103889
MB 880-103888/1-A	Method Blank	Total/NA	Solid	8015B NM	103888
MB 880-103889/1-A	Method Blank	Total/NA	Solid	8015B NM	103889
LCS 880-103888/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103888
LCS 880-103889/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103889
LCSD 880-103888/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103888
LCSD 880-103889/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103889
890-7727-1 MS	S - 15	Total/NA	Solid	8015B NM	103888
890-7727-1 MSD	S - 15	Total/NA	Solid	8015B NM	103888
890-7727-21 MS	S - 20	Total/NA	Solid	8015B NM	103889
890-7727-21 MSD	S - 20	Total/NA	Solid	8015B NM	103889

Analysis Batch: 104155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-1	S - 15	Total/NA	Solid	8015 NM	
890-7727-2	S - 15	Total/NA	Solid	8015 NM	
890-7727-3	S - 15	Total/NA	Solid	8015 NM	
890-7727-4	S - 15	Total/NA	Solid	8015 NM	
890-7727-5	S - 15	Total/NA	Solid	8015 NM	
890-7727-6	S - 17	Total/NA	Solid	8015 NM	
890-7727-7	S - 17	Total/NA	Solid	8015 NM	
890-7727-8	S - 17	Total/NA	Solid	8015 NM	
890-7727-9	S - 17	Total/NA	Solid	8015 NM	
890-7727-10	S - 17	Total/NA	Solid	8015 NM	
890-7727-11	S - 18	Total/NA	Solid	8015 NM	
890-7727-12	S - 18	Total/NA	Solid	8015 NM	
890-7727-13	S - 18	Total/NA	Solid	8015 NM	
890-7727-14	S - 18	Total/NA	Solid	8015 NM	
890-7727-15	S - 18	Total/NA	Solid	8015 NM	
890-7727-16	S - 19	Total/NA	Solid	8015 NM	
890-7727-17	S - 19	Total/NA	Solid	8015 NM	
890-7727-18	S - 19	Total/NA	Solid	8015 NM	
890-7727-19	S - 19	Total/NA	Solid	8015 NM	
890-7727-20	S - 19	Total/NA	Solid	8015 NM	
890-7727-21	S - 20	Total/NA	Solid	8015 NM	
890-7727-22	S - 20	Total/NA	Solid	8015 NM	
890-7727-23	S - 20	Total/NA	Solid	8015 NM	
890-7727-24	S - 20	Total/NA	Solid	8015 NM	
890-7727-25	S - 20	Total/NA	Solid	8015 NM	
890-7727-26	S - 39	Total/NA	Solid	8015 NM	
890-7727-27	S - 39	Total/NA	Solid	8015 NM	
890-7727-28	S - 39	Total/NA	Solid	8015 NM	
890-7727-29	S - 39	Total/NA	Solid	8015 NM	
890-7727-30	S - 39	Total/NA	Solid	8015 NM	
890-7727-31	S - 42	Total/NA	Solid	8015 NM	
890-7727-32	S - 42	Total/NA	Solid	8015 NM	
890-7727-33	S - 42	Total/NA	Solid	8015 NM	
890-7727-34	S - 42	Total/NA	Solid	8015 NM	
890-7727-35	S - 42	Total/NA	Solid	8015 NM	
890-7727-36	S - 46	Total/NA	Solid	8015 NM	
890-7727-37	S - 46	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 104155 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-38	S - 46	Total/NA	Solid	8015 NM	
890-7727-39	S - 46	Total/NA	Solid	8015 NM	
890-7727-40	S - 46	Total/NA	Solid	8015 NM	
890-7727-41	S - 49	Total/NA	Solid	8015 NM	
890-7727-42	S - 49	Total/NA	Solid	8015 NM	
890-7727-43	S - 49	Total/NA	Solid	8015 NM	
890-7727-44	S - 49	Total/NA	Solid	8015 NM	
890-7727-45	S - 49	Total/NA	Solid	8015 NM	
890-7727-46	S - 52	Total/NA	Solid	8015 NM	
890-7727-47	S - 52	Total/NA	Solid	8015 NM	
890-7727-48	S - 52	Total/NA	Solid	8015 NM	
890-7727-49	S - 52	Total/NA	Solid	8015 NM	
890-7727-50	S - 52	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 104086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-41	S - 49	Soluble	Solid	DI Leach	
890-7727-42	S - 49	Soluble	Solid	DI Leach	
890-7727-43	S - 49	Soluble	Solid	DI Leach	
890-7727-44	S - 49	Soluble	Solid	DI Leach	
890-7727-45	S - 49	Soluble	Solid	DI Leach	
890-7727-46	S - 52	Soluble	Solid	DI Leach	
890-7727-47	S - 52	Soluble	Solid	DI Leach	
890-7727-48	S - 52	Soluble	Solid	DI Leach	
890-7727-49	S - 52	Soluble	Solid	DI Leach	
890-7727-50	S - 52	Soluble	Solid	DI Leach	
MB 880-104086/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-104086/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-104086/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7727-50 MS	S - 52	Soluble	Solid	DI Leach	
890-7727-50 MSD	S - 52	Soluble	Solid	DI Leach	

Leach Batch: 104132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-1	S - 15	Soluble	Solid	DI Leach	
890-7727-2	S - 15	Soluble	Solid	DI Leach	
890-7727-3	S - 15	Soluble	Solid	DI Leach	
890-7727-4	S - 15	Soluble	Solid	DI Leach	
890-7727-5	S - 15	Soluble	Solid	DI Leach	
890-7727-6	S - 17	Soluble	Solid	DI Leach	
890-7727-7	S - 17	Soluble	Solid	DI Leach	
890-7727-8	S - 17	Soluble	Solid	DI Leach	
890-7727-9	S - 17	Soluble	Solid	DI Leach	
890-7727-10	S - 17	Soluble	Solid	DI Leach	
890-7727-11	S - 18	Soluble	Solid	DI Leach	
890-7727-12	S - 18	Soluble	Solid	DI Leach	
890-7727-13	S - 18	Soluble	Solid	DI Leach	
890-7727-14	S - 18	Soluble	Solid	DI Leach	
890-7727-15	S - 18	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 104132 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-16	S - 19	Soluble	Solid	DI Leach	
890-7727-17	S - 19	Soluble	Solid	DI Leach	
890-7727-18	S - 19	Soluble	Solid	DI Leach	
890-7727-19	S - 19	Soluble	Solid	DI Leach	
890-7727-20	S - 19	Soluble	Solid	DI Leach	
MB 880-104132/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-104132/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-104132/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7727-1 MS	S - 15	Soluble	Solid	DI Leach	
890-7727-1 MSD	S - 15	Soluble	Solid	DI Leach	
890-7727-11 MS	S - 18	Soluble	Solid	DI Leach	
890-7727-11 MSD	S - 18	Soluble	Solid	DI Leach	

Leach Batch: 104134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-21	S - 20	Soluble	Solid	DI Leach	
890-7727-22	S - 20	Soluble	Solid	DI Leach	
890-7727-23	S - 20	Soluble	Solid	DI Leach	
890-7727-24	S - 20	Soluble	Solid	DI Leach	
890-7727-25	S - 20	Soluble	Solid	DI Leach	
890-7727-26	S - 39	Soluble	Solid	DI Leach	
890-7727-27	S - 39	Soluble	Solid	DI Leach	
890-7727-28	S - 39	Soluble	Solid	DI Leach	
890-7727-29	S - 39	Soluble	Solid	DI Leach	
890-7727-30	S - 39	Soluble	Solid	DI Leach	
890-7727-31	S - 42	Soluble	Solid	DI Leach	
890-7727-32	S - 42	Soluble	Solid	DI Leach	
890-7727-33	S - 42	Soluble	Solid	DI Leach	
890-7727-34	S - 42	Soluble	Solid	DI Leach	
890-7727-35	S - 42	Soluble	Solid	DI Leach	
890-7727-36	S - 46	Soluble	Solid	DI Leach	
890-7727-37	S - 46	Soluble	Solid	DI Leach	
890-7727-38	S - 46	Soluble	Solid	DI Leach	
890-7727-39	S - 46	Soluble	Solid	DI Leach	
890-7727-40	S - 46	Soluble	Solid	DI Leach	
MB 880-104134/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-104134/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-104134/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7727-21 MS	S - 20	Soluble	Solid	DI Leach	
890-7727-21 MSD	S - 20	Soluble	Solid	DI Leach	
890-7727-31 MS	S - 42	Soluble	Solid	DI Leach	
890-7727-31 MSD	S - 42	Soluble	Solid	DI Leach	

Analysis Batch: 104176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-41	S - 49	Soluble	Solid	300.0	104086
890-7727-42	S - 49	Soluble	Solid	300.0	104086
890-7727-43	S - 49	Soluble	Solid	300.0	104086
890-7727-44	S - 49	Soluble	Solid	300.0	104086
890-7727-45	S - 49	Soluble	Solid	300.0	104086
890-7727-46	S - 52	Soluble	Solid	300.0	104086

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 104176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-47	S - 52	Soluble	Solid	300.0	104086
890-7727-48	S - 52	Soluble	Solid	300.0	104086
890-7727-49	S - 52	Soluble	Solid	300.0	104086
890-7727-50	S - 52	Soluble	Solid	300.0	104086
MB 880-104086/1-A	Method Blank	Soluble	Solid	300.0	104086
LCS 880-104086/2-A	Lab Control Sample	Soluble	Solid	300.0	104086
LCSD 880-104086/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	104086
890-7727-50 MS	S - 52	Soluble	Solid	300.0	104086
890-7727-50 MSD	S - 52	Soluble	Solid	300.0	104086

Analysis Batch: 104222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-1	S - 15	Soluble	Solid	300.0	104132
890-7727-2	S - 15	Soluble	Solid	300.0	104132
890-7727-3	S - 15	Soluble	Solid	300.0	104132
890-7727-4	S - 15	Soluble	Solid	300.0	104132
890-7727-5	S - 15	Soluble	Solid	300.0	104132
890-7727-6	S - 17	Soluble	Solid	300.0	104132
890-7727-7	S - 17	Soluble	Solid	300.0	104132
890-7727-8	S - 17	Soluble	Solid	300.0	104132
890-7727-9	S - 17	Soluble	Solid	300.0	104132
890-7727-10	S - 17	Soluble	Solid	300.0	104132
890-7727-11	S - 18	Soluble	Solid	300.0	104132
890-7727-12	S - 18	Soluble	Solid	300.0	104132
890-7727-13	S - 18	Soluble	Solid	300.0	104132
890-7727-14	S - 18	Soluble	Solid	300.0	104132
890-7727-15	S - 18	Soluble	Solid	300.0	104132
890-7727-16	S - 19	Soluble	Solid	300.0	104132
890-7727-17	S - 19	Soluble	Solid	300.0	104132
890-7727-18	S - 19	Soluble	Solid	300.0	104132
890-7727-19	S - 19	Soluble	Solid	300.0	104132
890-7727-20	S - 19	Soluble	Solid	300.0	104132
MB 880-104132/1-A	Method Blank	Soluble	Solid	300.0	104132
LCS 880-104132/2-A	Lab Control Sample	Soluble	Solid	300.0	104132
LCSD 880-104132/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	104132
890-7727-1 MS	S - 15	Soluble	Solid	300.0	104132
890-7727-1 MSD	S - 15	Soluble	Solid	300.0	104132
890-7727-11 MS	S - 18	Soluble	Solid	300.0	104132
890-7727-11 MSD	S - 18	Soluble	Solid	300.0	104132

Analysis Batch: 104288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-21	S - 20	Soluble	Solid	300.0	104134
890-7727-22	S - 20	Soluble	Solid	300.0	104134
890-7727-23	S - 20	Soluble	Solid	300.0	104134
890-7727-24	S - 20	Soluble	Solid	300.0	104134
890-7727-25	S - 20	Soluble	Solid	300.0	104134
890-7727-26	S - 39	Soluble	Solid	300.0	104134
890-7727-27	S - 39	Soluble	Solid	300.0	104134
890-7727-28	S - 39	Soluble	Solid	300.0	104134
890-7727-29	S - 39	Soluble	Solid	300.0	104134

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 104288 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7727-30	S - 39	Soluble	Solid	300.0	104134
890-7727-31	S - 42	Soluble	Solid	300.0	104134
890-7727-32	S - 42	Soluble	Solid	300.0	104134
890-7727-33	S - 42	Soluble	Solid	300.0	104134
890-7727-34	S - 42	Soluble	Solid	300.0	104134
890-7727-35	S - 42	Soluble	Solid	300.0	104134
890-7727-36	S - 46	Soluble	Solid	300.0	104134
890-7727-37	S - 46	Soluble	Solid	300.0	104134
890-7727-38	S - 46	Soluble	Solid	300.0	104134
890-7727-39	S - 46	Soluble	Solid	300.0	104134
890-7727-40	S - 46	Soluble	Solid	300.0	104134
MB 880-104134/1-A	Method Blank	Soluble	Solid	300.0	104134
LCS 880-104134/2-A	Lab Control Sample	Soluble	Solid	300.0	104134
LCSD 880-104134/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	104134
890-7727-21 MS	S - 20	Soluble	Solid	300.0	104134
890-7727-21 MSD	S - 20	Soluble	Solid	300.0	104134
890-7727-31 MS	S - 42	Soluble	Solid	300.0	104134
890-7727-31 MSD	S - 42	Soluble	Solid	300.0	104134

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	104006	02/28/25 11:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103958	02/28/25 22:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	02/28/25 22:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 17:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 17:02	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104222	03/04/25 20:13	CH	EET MID

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	104006	02/28/25 11:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103958	02/28/25 22:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	02/28/25 22:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 17:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 17:50	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104222	03/04/25 20:31	CH	EET MID

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-3
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			5.02 g	5 mL	104006	02/28/25 11:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103958	02/28/25 23:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	02/28/25 23:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 18:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 18:06	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104222	03/04/25 20:37	CH	EET MID

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-4
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			5.03 g	5 mL	104006	02/28/25 11:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103958	02/28/25 23:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	02/28/25 23:26	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-4
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			104155	02/28/25 18:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 18:23	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 20:43	CH	EET MID

Client Sample ID: S - 15
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-5
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	104006	02/28/25 11:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103958	02/28/25 23:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	02/28/25 23:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 18:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 18:39	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 20:49	CH	EET MID

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	104006	02/28/25 11:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103958	03/01/25 00:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 00:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 18:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 18:56	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104222	03/04/25 21:07	CH	EET MID

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	104006	02/28/25 11:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103958	03/01/25 00:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 00:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 19:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 19:11	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104222	03/04/25 21:14	CH	EET MID

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	104006	02/28/25 11:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103958	03/01/25 00:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 00:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 19:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 19:29	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 21:20	CH	EET MID

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	104006	02/28/25 11:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103958	03/01/25 01:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 01:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 19:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 19:45	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 21:26	CH	EET MID

Client Sample ID: S - 17
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-10
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	104006	02/28/25 11:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103958	03/01/25 01:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 01:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 20:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 20:02	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 21:32	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	104138	03/03/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104099	03/03/25 11:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 20:34	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 20:34	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104222	03/04/25 21:38	CH	EET MID

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-12
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			4.95 g	5 mL	104138	03/03/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104099	03/03/25 12:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 12:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 20:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 20:50	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 21:56	CH	EET MID

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-13
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			4.95 g	5 mL	104138	03/03/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104099	03/03/25 12:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 12:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 21:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 21:06	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 22:02	CH	EET MID

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	104138	03/03/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104099	03/03/25 12:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 12:48	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-14
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			104155	02/28/25 21:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 21:22	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 22:20	CH	EET MID

Client Sample ID: S - 18
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	104138	03/03/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104099	03/03/25 13:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 13:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 21:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 21:38	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 22:27	CH	EET MID

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-16
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			5.00 g	5 mL	104138	03/03/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104099	03/03/25 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 13:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 21:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 21:54	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104222	03/04/25 22:33	CH	EET MID

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	104138	03/03/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104099	03/03/25 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 13:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 22:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 22:10	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 22:39	CH	EET MID

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-18
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			5.00 g	5 mL	104138	03/03/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104099	03/03/25 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 14:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 22:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 22:26	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 22:45	CH	EET MID

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-19
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			5.01 g	5 mL	104138	03/03/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104099	03/03/25 16:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 16:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 22:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 22:43	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 22:51	CH	EET MID

Client Sample ID: S - 19
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-20
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			4.95 g	5 mL	104138	03/03/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104099	03/03/25 16:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 16:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 22:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103888	02/27/25 15:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	02/28/25 22:58	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	104132	03/03/25 08:26	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104222	03/04/25 22:57	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-21
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			5.01 g	5 mL	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	02/28/25 22:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	02/28/25 22:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 01:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 01:08	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104288	03/04/25 18:59	CH	EET MID

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-22
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			4.96 g	5 mL	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	02/28/25 22:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	02/28/25 22:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 01:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 01:56	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104288	03/04/25 19:21	CH	EET MID

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-23
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	02/28/25 23:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	02/28/25 23:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 02:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 02:12	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104288	03/04/25 19:29	CH	EET MID

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-24
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			5.03 g	5 mL	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	02/28/25 23:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	02/28/25 23:32	AJ	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-24
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			104155	03/01/25 02:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 02:28	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104288	03/04/25 19:36	CH	EET MID

Client Sample ID: S - 20
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-25
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			5.01 g	5 mL	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	02/28/25 23:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	02/28/25 23:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 02:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 02:44	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104288	03/04/25 19:43	CH	EET MID

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-26
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			4.99 g	5 mL	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 00:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 03:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 03:01	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104288	03/04/25 20:05	CH	EET MID

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-27
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			4.99 g	5 mL	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 00:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 03:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 03:16	TKC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-27
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			5.02 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104288	03/04/25 20:13	CH	EET MID

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-28
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 00:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 03:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 03:33	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104288	03/04/25 20:20	CH	EET MID

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 01:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 03:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 03:48	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104288	03/04/25 20:28	CH	EET MID

Client Sample ID: S - 39
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-30
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 01:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 04:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 04:04	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	104288	03/04/25 20:35	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 42
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 03:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 03:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 04:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 04:36	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104288	03/04/25 20:42	CH	EET MID

Client Sample ID: S - 42
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-32
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 03:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 03:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 04:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 04:53	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104288	03/04/25 21:05	CH	EET MID

Client Sample ID: S - 42
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-33
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 03:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 03:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 05:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 05:08	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104288	03/04/25 21:12	CH	EET MID

Client Sample ID: S - 42
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-34
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 04:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 04:11	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 42
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-34
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			104155	03/01/25 05:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 05:25	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104288	03/04/25 21:34	CH	EET MID

Client Sample ID: S - 42
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-35
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 04:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 04:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 05:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 05:40	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104288	03/04/25 21:41	CH	EET MID

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-36
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 04:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 04:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 05:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 05:56	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104288	03/04/25 21:49	CH	EET MID

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-37
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 05:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 05:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 06:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 06:12	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104288	03/04/25 21:56	CH	EET MID

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-38
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 05:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 05:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 06:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 06:28	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104288	03/04/25 22:04	CH	EET MID

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-39
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 05:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 05:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 06:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 06:44	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104288	03/04/25 22:11	CH	EET MID

Client Sample ID: S - 46
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-40
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	104007	02/28/25 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103959	03/01/25 06:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/01/25 06:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	03/01/25 06:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103889	02/27/25 15:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103978	03/01/25 06:58	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104134	03/03/25 08:28	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104288	03/04/25 22:18	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-41
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	104133	03/03/25 08:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104137	03/03/25 11:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 11:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 16:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103890	02/27/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 16:56	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104086	03/01/25 16:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104176	03/03/25 14:12	CH	EET MID

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-42
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	104133	03/03/25 08:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104137	03/03/25 12:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 12:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 17:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103890	02/27/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 17:41	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	104086	03/01/25 16:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104176	03/03/25 14:06	CH	EET MID

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-43
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	104133	03/03/25 08:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104137	03/03/25 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 12:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 17:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103890	02/27/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 17:56	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	104086	03/01/25 16:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104176	03/03/25 14:00	CH	EET MID

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-44
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	104133	03/03/25 08:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104137	03/03/25 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 12:58	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-44
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			104155	02/28/25 18:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103890	02/27/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 18:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	104086	03/01/25 16:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104176	03/03/25 13:55	CH	EET MID

Client Sample ID: S - 49
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-45
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	104133	03/03/25 08:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104137	03/03/25 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 13:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 18:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103890	02/27/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 18:26	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104086	03/01/25 16:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104176	03/03/25 13:49	CH	EET MID

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-46
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	104133	03/03/25 08:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104137	03/03/25 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 13:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 18:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103890	02/27/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 18:40	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	104086	03/01/25 16:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104176	03/03/25 13:31	CH	EET MID

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-47
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	104133	03/03/25 08:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104137	03/03/25 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 14:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 18:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	103890	02/27/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 18:56	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-47
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	104086	03/01/25 16:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104176	03/03/25 13:25	CH	EET MID

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-48
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	104133	03/03/25 08:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104137	03/03/25 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 14:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 19:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103890	02/27/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 19:11	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	104086	03/01/25 16:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104176	03/03/25 13:19	CH	EET MID

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-49
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	104133	03/03/25 08:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104137	03/03/25 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 14:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 19:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103890	02/27/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 19:28	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	104086	03/01/25 16:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104176	03/03/25 13:13	CH	EET MID

Client Sample ID: S - 52
Date Collected: 02/26/25 00:00
Date Received: 02/27/25 10:07

Lab Sample ID: 890-7727-50
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	104133	03/03/25 08:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104137	03/03/25 15:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104215	03/03/25 15:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			104155	02/28/25 19:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103890	02/27/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103971	02/28/25 19:42	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	104086	03/01/25 16:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104176	03/03/25 12:56	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy 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
Project/Site: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy 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: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy 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: HAYHURST PAD 10

Job ID: 890-7727-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7727-1	S - 15	Solid	02/26/25 00:00	02/27/25 10:07	0 - 1
890-7727-2	S - 15	Solid	02/26/25 00:00	02/27/25 10:07	2
890-7727-3	S - 15	Solid	02/26/25 00:00	02/27/25 10:07	3
890-7727-4	S - 15	Solid	02/26/25 00:00	02/27/25 10:07	4
890-7727-5	S - 15	Solid	02/26/25 00:00	02/27/25 10:07	4.5
890-7727-6	S - 17	Solid	02/26/25 00:00	02/27/25 10:07	0 - 1
890-7727-7	S - 17	Solid	02/26/25 00:00	02/27/25 10:07	2
890-7727-8	S - 17	Solid	02/26/25 00:00	02/27/25 10:07	3
890-7727-9	S - 17	Solid	02/26/25 00:00	02/27/25 10:07	4
890-7727-10	S - 17	Solid	02/26/25 00:00	02/27/25 10:07	4.5
890-7727-11	S - 18	Solid	02/26/25 00:00	02/27/25 10:07	0 - 1
890-7727-12	S - 18	Solid	02/26/25 00:00	02/27/25 10:07	2
890-7727-13	S - 18	Solid	02/26/25 00:00	02/27/25 10:07	3
890-7727-14	S - 18	Solid	02/26/25 00:00	02/27/25 10:07	4
890-7727-15	S - 18	Solid	02/26/25 00:00	02/27/25 10:07	4.5
890-7727-16	S - 19	Solid	02/26/25 00:00	02/27/25 10:07	0 - 1
890-7727-17	S - 19	Solid	02/26/25 00:00	02/27/25 10:07	2
890-7727-18	S - 19	Solid	02/26/25 00:00	02/27/25 10:07	3
890-7727-19	S - 19	Solid	02/26/25 00:00	02/27/25 10:07	4
890-7727-20	S - 19	Solid	02/26/25 00:00	02/27/25 10:07	4.5
890-7727-21	S - 20	Solid	02/26/25 00:00	02/27/25 10:07	0 - 1
890-7727-22	S - 20	Solid	02/26/25 00:00	02/27/25 10:07	2
890-7727-23	S - 20	Solid	02/26/25 00:00	02/27/25 10:07	3
890-7727-24	S - 20	Solid	02/26/25 00:00	02/27/25 10:07	4
890-7727-25	S - 20	Solid	02/26/25 00:00	02/27/25 10:07	4.5
890-7727-26	S - 39	Solid	02/26/25 00:00	02/27/25 10:07	0 - 1
890-7727-27	S - 39	Solid	02/26/25 00:00	02/27/25 10:07	2
890-7727-28	S - 39	Solid	02/26/25 00:00	02/27/25 10:07	3
890-7727-29	S - 39	Solid	02/26/25 00:00	02/27/25 10:07	4
890-7727-30	S - 39	Solid	02/26/25 00:00	02/27/25 10:07	4.5
890-7727-31	S - 42	Solid	02/26/25 00:00	02/27/25 10:07	0 - 1
890-7727-32	S - 42	Solid	02/26/25 00:00	02/27/25 10:07	2
890-7727-33	S - 42	Solid	02/26/25 00:00	02/27/25 10:07	3
890-7727-34	S - 42	Solid	02/26/25 00:00	02/27/25 10:07	4
890-7727-35	S - 42	Solid	02/26/25 00:00	02/27/25 10:07	4.5
890-7727-36	S - 46	Solid	02/26/25 00:00	02/27/25 10:07	0 - 1
890-7727-37	S - 46	Solid	02/26/25 00:00	02/27/25 10:07	2
890-7727-38	S - 46	Solid	02/26/25 00:00	02/27/25 10:07	3
890-7727-39	S - 46	Solid	02/26/25 00:00	02/27/25 10:07	4
890-7727-40	S - 46	Solid	02/26/25 00:00	02/27/25 10:07	4.5
890-7727-41	S - 49	Solid	02/26/25 00:00	02/27/25 10:07	0 - 1
890-7727-42	S - 49	Solid	02/26/25 00:00	02/27/25 10:07	2
890-7727-43	S - 49	Solid	02/26/25 00:00	02/27/25 10:07	3
890-7727-44	S - 49	Solid	02/26/25 00:00	02/27/25 10:07	4
890-7727-45	S - 49	Solid	02/26/25 00:00	02/27/25 10:07	4.5
890-7727-46	S - 52	Solid	02/26/25 00:00	02/27/25 10:07	0 - 1
890-7727-47	S - 52	Solid	02/26/25 00:00	02/27/25 10:07	2
890-7727-48	S - 52	Solid	02/26/25 00:00	02/27/25 10:07	3
890-7727-49	S - 52	Solid	02/26/25 00:00	02/27/25 10:07	4
890-7727-50	S - 52	Solid	02/26/25 00:00	02/27/25 10:07	4.5

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Chain of Custody

Work Order No: _____

Page __1_ of __5_

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
ject Number:	2628	Due Date:	Normal
ject Location	Eddy Co, NM		
mpler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
eived Intact:	(Yes) No	Thermometer ID:		Tumoe7	
ler Custody Seals:	Yes No (N/A)	Correction Factor:		-0.2	
mple Custody Seals:	Yes No (N/A)	Temperature Reading:		-12.2	
al Containers:		Corrected Temperature		-12.0	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
S-15	2/26/2025		X	0-1	Grab	1		X	X	X
S-15	2/26/2025		X	2	Grab	1		X	X	X
S-15	2/26/2025		X	3	Grab	1		X	X	X
S-15	2/26/2025		X	4	Grab	1		X	X	X
S-15	2/26/2025		X	4.5	Grab	1		X	X	X
S-17	2/26/2025		X	0-1	Grab	1		X	X	X
S-17	2/26/2025		X	2	Grab	1		X	X	X
S-17	2/26/2025		X	3	Grab	1		X	X	X
S-17	2/26/2025		X	4	Grab	1		X	X	X
S-17	2/26/2025		X	4.5	Grab	1		X	X	X

890-7727 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

: HNO_3: HN

H_2 NaOH: Na

HP

: NABIS

$_3$: $NaSO_3$

ate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

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
		2/27 10:07	2		
			4		
			6		

Revised Date 05012020 Rev. 2020.1

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Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: _____

Page __2__ of __5_

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ect Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
npler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice: (Yes) No
ceived Intact:	(Yes) No	Thermometer ID:	Thermo7
pler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
mple Custody Seals:	Yes No (N/A)	Temperature Reading:	-12.2
al Containers:		Corrected Temperature	-12.0

ANALYSIS REQUEST

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	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-18	2/26/2025		X	0-1	Grab	1	X	X	X		
S-18	2/26/2025		X	2	Grab	1	X	X	X		
S-18	2/26/2025		X	3	Grab	1	X	X	X		
S-18	2/26/2025		X	4	Grab	1	X	X	X		
S-18	2/26/2025		X	4.5	Grab	1	X	X	X		
S-19	2/26/2025		X	0-1	Grab	1	X	X	X		
S-19	2/26/2025		X	2	Grab	1	X	X	X		
S-19	2/26/2025		X	3	Grab	1	X	X	X		
S-19	2/26/2025		X	4	Grab	1	X	X	X		
S-19	2/26/2025		X	4.5	Grab	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
		2/27 10:07	2		
			4		
			5		

Revised Date 05012020 Rev. 2020.1

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Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: _____

Page __3__ of __5_

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
mpler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
eived Intact:	(Yes) No		Thermometer ID:	Tamco
ler Custody Seals:	Yes No (N/A)		Correction Factor:	-0.2
mple Custody Seals:	Yes No (N/A)		Temperature Reading:	-12.2
al Containers:			Corrected Temperature	-12.0

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
S-20	2/26/2025		X	0-1	Grab	1		X	X	X	
S-20	2/26/2025		X	2	Grab	1		X	X	X	
S-20	2/26/2025		X	3	Grab	1		X	X	X	
S-20	2/26/2025		X	4	Grab	1		X	X	X	
S-20	2/26/2025		X	4.5	Grab	1		X	X	X	
S-39	2/26/2025		X	0-1	Grab	1		X	X	X	
S-39	2/26/2025		X	2	Grab	1		X	X	X	
S-39	2/26/2025		X	3	Grab	1		X	X	X	
S-39	2/26/2025		X	4	Grab	1		X	X	X	
S-39	2/26/2025		X	4.5	Grab	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

Sample Comments

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
		2/27 10:07	2		
			4		
			6		

Revised Date 05012020 Rev. 2020.1

3/6/2025 (Rev. 1)

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: _____

Page __4__ of __5_

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
npler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
eived Intact:	(Yes) No		Thermometer ID:	Tmnc3
ler Custody Seals:	Yes No (N/A)		Correction Factor:	-0.2
mple Custody Seals:	Yes No (N/A)		Temperature Reading:	-12.2
al Containers:			Corrected Temperature	-12.0

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	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-42	2/26/2025		X	0-1	Grab	1	X	X	X		
S-42	2/26/2025		X	2	Grab	1	X	X	X		
S-42	2/26/2025		X	3	Grab	1	X	X	X		
S-42	2/26/2025		X	4	Grab	1	X	X	X		
S-42	2/26/2025		X	4.5	Grab	1	X	X	X		
S-46	2/26/2025		X	0-1	Grab	1	X	X	X		
S-46	2/26/2025		X	2	Grab	1	X	X	X		
S-46	2/26/2025		X	3	Grab	1	X	X	X		
S-46	2/26/2025		X	4	Grab	1	X	X	X		
S-46	2/26/2025		X	4.5	Grab	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
Ken	Brenn	2/27 10:07	2		
			4		
			6		

Revised Date 05012020 Rev. 2020.1

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Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: _____

Page __5__ of __5_

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

Work Order Comments

Program: UST/PST ☐ ☐ ☐ ☐ ☐

State of Project:

Reporting:Level II ☐ ☐ ☐ ☐ ☐

Deliverables: EDD ☐ ADaP ☐ Other:

ject Name:	Hayhurst Pad 10	Turn Around	
ject Number:	2628	☑ Routine ☐ Rush	
ject Location	Eddy Co, NM	Due Date:	Normal
npler's Name:	RP		
#:			

MPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	
eived Intact:	Yes No	Thermometer ID:			
ler Custody Seals:	Yes No N/A	Correction Factor:			
nple Custody Seals:	Yes No N/A	Temperature Reading:			
al Containers:		Corrected Temperature			

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	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-49	2/26/2025		X	0-1	Grab	1		X	X	X		
S-49	2/26/2025		X	2	Grab	1		X	X	X		
S-49	2/26/2025		X	3	Grab	1		X	X	X		
S-49	2/26/2025		X	4	Grab	1		X	X	X		
S-49	2/26/2025		X	4.5	Grab	1		X	X	X		
S-52	2/26/2025		X	0-1	Grab	1		X	X	X		
S-52	2/26/2025		X	2	Grab	1		X	X	X		
S-52	2/26/2025		X	3	Grab	1		X	X	X		
S-52	2/26/2025		X	4	Grab	1		X	X	X		
S-52	2/26/2025		X	4.5	Grab	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
		2/27 10:07	2		
			4		
			6		

Revised Date 05012020 Rev. 2020.1

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Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-7727-1
SDG Number: Eddy County NM

Login Number: 7727
List Number: 1
Creator: Bruns, Shannon

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: Carmona Resources

Job Number: 890-7727-1
SDG Number: Eddy County NM

Login Number: 7727
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 02/28/25 05:35 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	

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 06, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: HAYHURST PAD 10

Enclosed are the results of analyses for samples received by the laboratory on 03/03/25 11:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 21 0-1' (H251236-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	QM-07
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2960**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	186	93.0	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	90.8	200	6.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *74.3 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *73.3 %* *63.9-155*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 21 2' (H251236-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	186	93.0	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	90.8	200	6.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *91.4 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *90.4 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 21 3' (H251236-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1960**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	186	93.0	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	90.8	200	6.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *87.9 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *86.4 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 21 4' (H251236-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2840**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	186	93.0	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	90.8	200	6.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *90.4 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *89.1 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 21 4.5' (H251236-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1800**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	186	93.0	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	90.8	200	6.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *86.4 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *86.0 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 38 0-1' (H251236-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/03/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane *95.7 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *93.7 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 38 2' (H251236-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/03/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane *110 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *109 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 38 3' (H251236-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/03/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane *89.4 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *89.7 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 38 4' (H251236-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *112 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 38 4.5' (H251236-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *109 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *108 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 40 0-1' (H251236-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *120 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *118 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 40 2' (H251236-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	**0.114**	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	**0.788**	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	**0.902**	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *123 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *121 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 40 3' (H251236-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *127 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *126 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 40 4' (H251236-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	**0.064**	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	**0.475**	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	**0.539**	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *121 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *122 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 40 4.5' (H251236-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	**0.097**	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	**0.713**	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	**0.810**	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *119 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *119 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 41 0-1' (H251236-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *95.4 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *95.9 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 41 2' (H251236-17)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *112 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *108 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 41 3' (H251236-18)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	3.03	
Toluene*	<0.050	0.050	03/04/2025	ND	2.00	100	2.00	2.48	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.04	102	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.32	105	6.00	3.01	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *120 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *117 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 41 4' (H251236-19)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *108 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *105 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 41 4.5' (H251236-20)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *122 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *120 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 43 0-1' (H251236-21)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *130 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *128 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 43 2' (H251236-22)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *128 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *126 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 43 3' (H251236-23)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *127 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *122 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 43 4' (H251236-24)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *121 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *119 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 43 4.5' (H251236-25)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	191	95.7	200	6.51	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	182	91.2	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *121 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *121 %* *63.9-155*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 44 0-1' (H251236-26)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *97.3 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *96.5 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 44 2' (H251236-27)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *86.8 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *86.3 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 44 3' (H251236-28)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *99.4 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *100 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 44 4' (H251236-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *106 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 44 4.5' (H251236-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *109 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *111 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 45 0-1' (H251236-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *110 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *111 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 45 2' (H251236-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *109 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *109 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 45 3' (H251236-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *109 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *110 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 45 4' (H251236-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *106 %* *63.9-155*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 45 4.5' (H251236-35)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *116 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *117 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 57 0-1' (H251236-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**624**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *110 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 57 2' (H251236-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *116 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *120 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 57 3' (H251236-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.64	82.2	2.00	2.73	
Toluene*	<0.050	0.050	03/04/2025	ND	1.94	97.0	2.00	1.79	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.03	101	2.00	0.207	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.21	103	6.00	0.199	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1020**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *105 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 57 4' (H251236-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**800**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *120 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *121 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 57 4.5' (H251236-40)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1040**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *114 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 55 0-1' (H251236-41)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *114 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *114 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 55 2' (H251236-42)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *114 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *116 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 55 3' (H251236-43)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *108 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 55 4' (H251236-44)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *118 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *120 %* *63.9-155*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 55 4.5' (H251236-45)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	182	91.2	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	160	79.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *115 %* *71.8-148*

Surrogate: 1-Chlorooctadecane *117 %* *63.9-155*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 56 0-1' (H251236-46)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *78.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.5 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 56 2' (H251236-47)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *84.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *76.9 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 56 3' (H251236-48)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**512**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *84.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.4 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 56 4' (H251236-49)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *87.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.3 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/27/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 56 4.5' (H251236-50)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *79.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.6 %* *40.6-153*

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Chain of Custody

Work Order No: H257236

Page 1 of 5

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:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
Project Number:	2628	Due Date:	Normal
Project Location	Eddy Co, NM		
Sampler's Name:	RP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.3°
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-6.6°
Total Containers:		Corrected Temperature:	-6.3°

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	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S-21	2/27/2025		X	0-1	Grab	1		X	X	X		
S-21	2/27/2025		X	2	Grab	1		X	X	X		
S-21	2/27/2025		X	3	Grab	1		X	X	X		
S-21	2/27/2025		X	4	Grab	1		X	X	X		
S-21	2/27/2025		X	4.5	Grab	1		X	X	X		
S-38	2/27/2025		X	0-1	Grab	1		X	X	X		
S-38	2/27/2025		X	2	Grab	1		X	X	X		
S-38	2/27/2025		X	3	Grab	1		X	X	X		
S-38	2/27/2025		X	4	Grab	1		X	X	X		
S-38	2/27/2025		X	4.5	Grab	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 Kevin Baylor	Tamara Oldaker	3-3-25 1131	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Page 54 of 57

Chain of Custody

Work Order No: H251236

Page 2 of 5

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:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
Project Number:	2628	Due Date:	Normal
Project Location	Eddy Co, NM		
Sampler's Name:	RP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.3°C
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.6°
Total Containers:		Corrected Temperature:	-4.3°

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride / 500	HOLD	Sample Comments
11	S-40	2/27/2025		X	0-1	Grab	1		X	X	X		
12	S-40	2/27/2025		X	2	Grab	1		X	X	X		
13	S-40	2/27/2025		X	3	Grab	1		X	X	X		
14	S-40	2/27/2025		X	4	Grab	1		X	X	X		
15	S-40	2/27/2025		X	4.5	Grab	1		X	X	X		
16	S-41	2/27/2025		X	0-1	Grab	1		X	X	X		
17	S-41	2/27/2025		X	2	Grab	1		X	X	X		
18	S-41	2/27/2025		X	3	Grab	1		X	X	X		
19	S-41	2/27/2025		X	4	Grab	1		X	X	X		
20	S-41	2/27/2025		X	4.5	Grab	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			2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: H251236

Page 3 of 5

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:	Hayhurst Pad 10	Turn Around	
Project Number:	2628	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	Normal
Sampler's Name:	RP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes No
Received Intact:	(Yes) No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.3C
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	
Total Containers:		Corrected Temperature:	

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S-43	2/27/2025		X	0-1	Grab	1		X	X	X		
S-43	2/27/2025		X	2	Grab	1		X	X	X		
S-43	2/27/2025		X	3	Grab	1		X	X	X		
S-43	2/27/2025		X	4	Grab	1		X	X	X		
S-43	2/27/2025		X	4.5	Grab	1		X	X	X		
S-44	2/27/2025		X	0-1	Grab	1		X	X	X		
S-44	2/27/2025		X	2	Grab	1		X	X	X		
S-44	2/27/2025		X	3	Grab	1		X	X	X		
S-44	2/27/2025		X	4	Grab	1		X	X	X		
S-44	2/27/2025		X	4.5	Grab	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		3-3-25	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: H251236

Page __4__ of __5__

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:	Hayhurst Pad 10	Turn Around	
Project Number:	2628	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	Normal
Sampler's Name:	RP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.3
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.6
Total Containers:		Corrected Temperature:	-4.3

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S-45	2/27/2025		X	0-1	Grab	1		X	X	X		
S-45	2/27/2025		X	2	Grab	1		X	X	X		
S-45	2/27/2025		X	3	Grab	1		X	X	X		
S-45	2/27/2025		X	4	Grab	1		X	X	X		
S-45	2/27/2025		X	4.5	Grab	1		X	X	X		
S-57	2/27/2025		X	0-1	Grab	1		X	X	X		
S-57	2/27/2025		X	2	Grab	1		X	X	X		
S-57	2/27/2025		X	3	Grab	1		X	X	X		
S-57	2/27/2025		X	4	Grab	1		X	X	X		
S-57	2/27/2025		X	4.5	Grab	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		3-3-25 1131	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: H251236

Page 5 of 5

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:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
Project Number:	2628	Due Date:	Normal
Project Location	Eddy Co, NM		
Sampler's Name:	RP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.3c
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-6.6c
Total Containers:		Corrected Temperature:	-6.1c

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
41	S-55	2/27/2025		X	0-1	Grab	1		X	X	X		
42	S-55	2/27/2025		X	2	Grab	1		X	X	X		
43	S-55	2/27/2025		X	3	Grab	1		X	X	X		
44	S-55	2/27/2025		X	4	Grab	1		X	X	X		
45	S-55	2/27/2025		X	4.5	Grab	1		X	X	X		
46	S-56	2/27/2025		X	0-1	Grab	1		X	X	X		
47	S-56	2/27/2025		X	2	Grab	1		X	X	X		
48	S-56	2/27/2025		X	3	Grab	1		X	X	X		
49	S-56	2/27/2025		X	4	Grab	1		X	X	X		
50	S-56	2/27/2025		X	4.5	Grab	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 Kimi Rojas	Tamara Maldonado	3-3-25 1131	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 06, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: HAYHURST PAD 10

Enclosed are the results of analyses for samples received by the laboratory on 03/03/25 11:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 10 0-1' (H251237-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *80.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *72.3 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 10 2' (H251237-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/04/2025	ND	480	120	400	3.39	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *86.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *77.5 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 10 3' (H251237-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *74.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *67.2 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 10 4' (H251237-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *88.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.8 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 10 4.5' (H251237-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *85.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.1 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 24 0-1' (H251237-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2720**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *65.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *57.9 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 24 2' (H251237-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2110**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *56.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *49.6 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 24 3' (H251237-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.81	90.5	2.00	3.36	
Toluene*	<0.050	0.050	03/04/2025	ND	1.95	97.4	2.00	4.24	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.16	108	2.00	5.67	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	6.50	108	6.00	5.84	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1920**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *65.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *57.4 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 24 4' (H251237-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/04/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1220**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *68.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *59.3 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 24 4.5' (H251237-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/04/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *123 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1440**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *74.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *66.4 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 29 0-1' (H251237-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/04/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *130 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *80.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *69.3 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 29 2' (H251237-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/04/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *128 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *74.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *62.7 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 29 3' (H251237-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/04/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *81.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *70.4 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 29 4' (H251237-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *131 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *73.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *64.5 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 29 4.5' (H251237-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *128 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	200	99.8	200	3.38	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	191	95.4	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *83.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.8 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 31 0-1' (H251237-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *128 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *91.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *88.6 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 31 2' (H251237-17)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *95.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.7 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 31 3' (H251237-18)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *87.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.9 %* *40.6-153*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 31 4' (H251237-19)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *83.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.7 %* *40.6-153*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 31 4.5' (H251237-20)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *93.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.7 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 37 0-1' (H251237-21)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *124 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *96.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.9 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 37 2' (H251237-22)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 37 3' (H251237-23)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *127 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.6 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 37 4' (H251237-24)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *99.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *100 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 37 4.5' (H251237-25)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *99.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.3 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 58 0-1' (H251237-26)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *81.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.7 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 58 2' (H251237-27)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *77.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *71.8 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 58 3' (H251237-28)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.05	103	2.00	3.69	
Toluene*	<0.050	0.050	03/05/2025	ND	2.22	111	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.39	120	2.00	3.29	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.40	123	6.00	2.70	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *96.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.2 %* *40.6-153*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 58 4' (H251237-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *96.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.9 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 58 4.5' (H251237-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *88.9 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.3 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 59 0-1' (H251237-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *97.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.2 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 59 2' (H251237-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *100 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 59 3' (H251237-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *95.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.4 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 59 4' (H251237-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *102 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 59 4.5' (H251237-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.6	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.9 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 60 0-1' (H251237-36)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1960**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	187	93.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	176	88.0	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *79.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *74.3 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 60 2' (H251237-37)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	187	93.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	176	88.0	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *82.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.3 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 60 3' (H251237-38)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	187	93.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	176	88.0	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *80.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.8 %* *40.6-153*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 60 4' (H251237-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	187	93.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	176	88.0	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *83.8 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *80.0 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 60 4.5' (H251237-40)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	187	93.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	176	88.0	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *92.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *89.0 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 61 0-1' (H251237-41)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	187	93.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	176	88.0	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *96.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.7 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 61 2' (H251237-42)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/04/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	03/04/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	187	93.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	176	88.0	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *80.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *75.0 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 61 3' (H251237-43)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/05/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	03/04/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	187	93.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	176	88.0	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *71.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *65.8 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 61 4' (H251237-44)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/05/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	03/04/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	187	93.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	176	88.0	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *95.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *91.7 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/03/2025	Sampling Date:	02/28/2025
Reported:	03/06/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: S - 61 4.5' (H251237-45)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2025	ND	2.12	106	2.00	0.882	
Toluene*	<0.050	0.050	03/05/2025	ND	2.21	111	2.00	0.519	
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.37	119	2.00	1.75	
Total Xylenes*	<0.150	0.150	03/05/2025	ND	7.18	120	6.00	2.15	
Total BTEX	<0.300	0.300	03/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	03/04/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	187	93.4	200	4.35	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	176	88.0	200	7.29	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane *89.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.9 %* *40.6-153*

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Chain of Custody

Work Order No: H257237

Page 1 of 5

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:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
Project Number:	2628	Due Date:	Normal
Project Location	Eddy Co, NM		
Sampler's Name:	RP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.3c
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-6.6c
Total Containers:		Corrected Temperature:	-6.3c

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S-10	2/28/2025		X	0-1	Grab	1		X	X	X		
S-10	2/28/2025		X	2	Grab	1		X	X	X		
S-10	2/28/2025		X	3	Grab	1		X	X	X		
S-10	2/28/2025		X	4	Grab	1		X	X	X		
S-10	2/28/2025		X	4.5	Grab	1		X	X	X		
S-24	2/28/2025		X	0-1	Grab	1		X	X	X		
S-24	2/28/2025		X	2	Grab	1		X	X	X		
S-24	2/28/2025		X	3	Grab	1		X	X	X		
S-24	2/28/2025		X	4	Grab	1		X	X	X		
S-24	2/28/2025		X	4.5	Grab	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		5-3-25 1131	2		
3		5-9-25 1131	4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Page 641 of 1057

Chain of Custody

Work Order No: H251237

Page 2 of 5

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:	Hayhurst Pad 10	Turn Around	
Project Number:	2628	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	Normal
Sampler's Name:	RP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.3C
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-6.6
Total Containers:		Corrected Temperature:	-6.3

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
11	S-29	2/28/2025		X	0-1	Grab	1		X	X	X		
12	S-29	2/28/2025		X	2	Grab	1		X	X	X		
13	S-29	2/28/2025		X	3	Grab	1		X	X	X		
14	S-29	2/28/2025		X	4	Grab	1		X	X	X		
15	S-29	2/28/2025		X	4.5	Grab	1		X	X	X		
16	S-31	2/28/2025		X	0-1	Grab	1		X	X	X		
17	S-31	2/28/2025		X	2	Grab	1		X	X	X		
18	S-31	2/28/2025		X	3	Grab	1		X	X	X		
19	S-31	2/28/2025		X	4	Grab	1		X	X	X		
20	S-31	2/28/2025		X	4.5	Grab	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		3-3-25 1131	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: H251237

Page 3 of 5

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:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
Project Number:	2628	Due Date:	Normal
Project Location	Eddy Co, NM		
Sampler's Name:	RP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.3c
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-6.6c
Total Containers:		Corrected Temperature:	-6.3c

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
21	S-37	2/28/2025		X	0-1	Grab	1		X	X	X		
22	S-37	2/28/2025		X	2	Grab	1		X	X	X		
23	S-37	2/28/2025		X	3	Grab	1		X	X	X		
24	S-37	2/28/2025		X	4	Grab	1		X	X	X		
25	S-37	2/28/2025		X	4.5	Grab	1		X	X	X		
26	S-58	2/28/2025		X	0-1	Grab	1		X	X	X		
27	S-58	2/28/2025		X	2	Grab	1		X	X	X		
28	S-58	2/28/2025		X	3	Grab	1		X	X	X		
29	S-58	2/28/2025		X	4	Grab	1		X	X	X		
30	S-58	2/28/2025		X	4.5	Grab	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 Kevin Ryan	Tamara Latshaw	3-3-25 1131	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: H257237

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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:	Hayhurst Pad 10	Turn Around	
Project Number:	2628	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	Normal
Sampler's Name:	RP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	+0.3
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-4.4
Total Containers:		Corrected Temperature:	-4.1

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
31	S-59	2/28/2025		X	0-1	Grab	1		X	X	X		
32	S-59	2/28/2025		X	2	Grab	1		X	X	X		
33	S-59	2/28/2025		X	3	Grab	1		X	X	X		
34	S-59	2/28/2025		X	4	Grab	1		X	X	X		
35	S-59	2/28/2025		X	4.5	Grab	1		X	X	X		
36	S-60	2/28/2025		X	0-1	Grab	1		X	X	X		
37	S-60	2/28/2025		X	2	Grab	1		X	X	X		
38	S-60	2/28/2025		X	3	Grab	1		X	X	X		
39	S-60	2/28/2025		X	4	Grab	1		X	X	X		
40	S-60	2/28/2025		X	4.5	Grab	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 Kevin Rupp	Tamara Latshaw	3-3-25 1131	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: H251237

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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:	Hayhurst Pad 10	Turn Around	
Project Number:	2628	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	Normal
Sampler's Name:	RP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	+0.3
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-6.6
Total Containers:		Corrected Temperature:	-6.3

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S-61	2/28/2025		X	0-1	Grab	1		X	X	X		
S-61	2/28/2025		X	2	Grab	1		X	X	X		
S-61	2/28/2025		X	3	Grab	1		X	X	X		
S-61	2/28/2025		X	4	Grab	1		X	X	X		
S-61	2/28/2025		X	4.5	Grab	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 Kenni Reyna	Samara Alday	3-3-25 1131	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/12/2025 4:30:20 PM

JOB DESCRIPTION

HAYHURST PAD 10
2628

JOB NUMBER

890-8142-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 9:10:05 AM

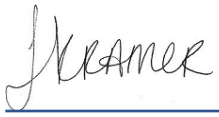
Eurofins Carlsbad

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



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5/12/2025 4:30:20 PM

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

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Laboratory Job ID: 890-8142-1
SDG: 2628

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Definitions/Glossary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: HAYHURST PAD 10

Job ID: 890-8142-1

Job ID: 890-8142-1 Eurofins Carlsbad

Job Narrative
890-8142-1

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 5/8/2025 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (5.0') (890-8142-1), SW - 1 (5.0') (890-8142-2), SW - 2 (5.0') (890-8142-3), SW - 3 (5.0') (890-8142-4) and SW - 4 (5.0') (890-8142-5).

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: Surrogate recovery for the following sample was outside control limits: (LCS 880-109762/2-A). 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 880-109762 and analytical batch 880-109866 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

Client Sample ID: CS - 1 (5.0')

Lab Sample ID: 890-8142-1
Matrix: Solid
Date Collected: 05/07/25 00:00
Date Received: 05/08/25 15:00

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		05/09/25 08:58	05/09/25 14:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/25 08:58	05/09/25 14:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/25 08:58	05/09/25 14:40	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/09/25 08:58	05/09/25 14:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/25 08:58	05/09/25 14:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/25 08:58	05/09/25 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/09/25 08:58*	*05/09/25 14:40*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/09/25 08:58*	*05/09/25 14:40*	*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			05/09/25 14:40	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			05/09/25 22:31	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	<49.8	U	49.8		mg/Kg		05/09/25 08:12	05/09/25 22:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		05/09/25 08:12	05/09/25 22:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/09/25 08:12	05/09/25 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*05/09/25 08:12*	*05/09/25 22:31*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*05/09/25 08:12*	*05/09/25 22:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**182**		9.94		mg/Kg			05/09/25 13:28	1

Client Sample ID: SW - 1 (5.0')

Lab Sample ID: 890-8142-2
Matrix: Solid
Date Collected: 05/07/25 00:00
Date Received: 05/08/25 15:00

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		05/09/25 08:58	05/09/25 15:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/25 08:58	05/09/25 15:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/25 08:58	05/09/25 15:00	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/09/25 08:58	05/09/25 15:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/25 08:58	05/09/25 15:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/25 08:58	05/09/25 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/09/25 08:58*	*05/09/25 15:00*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/25 08:58*	*05/09/25 15:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

Client Sample ID: SW - 1 (5.0')

Lab Sample ID: 890-8142-2
Matrix: Solid
Date Collected: 05/07/25 00:00
Date Received: 05/08/25 15:00

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			05/09/25 15:00	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			05/09/25 22:46	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		05/09/25 08:12	05/09/25 22:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		05/09/25 08:12	05/09/25 22:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/09/25 08:12	05/09/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*05/09/25 08:12*	*05/09/25 22:46*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*05/09/25 08:12*	*05/09/25 22:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**213**		9.96		mg/Kg			05/09/25 13:43	1

Client Sample ID: SW - 2 (5.0')

Lab Sample ID: 890-8142-3
Matrix: Solid
Date Collected: 05/07/25 00:00
Date Received: 05/08/25 15:00

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		05/09/25 08:58	05/09/25 15:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/25 08:58	05/09/25 15:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/25 08:58	05/09/25 15:21	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/09/25 08:58	05/09/25 15:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/25 08:58	05/09/25 15:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/25 08:58	05/09/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/09/25 08:58*	*05/09/25 15:21*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/09/25 08:58*	*05/09/25 15:21*	*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			05/09/25 15:21	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			05/09/25 23:02	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		05/09/25 08:12	05/09/25 23:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/09/25 08:12	05/09/25 23:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

Client Sample ID: SW - 2 (5.0')

Lab Sample ID: 890-8142-3
Matrix: Solid
Date Collected: 05/07/25 00:00
Date Received: 05/08/25 15:00

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)	<50.0	U	50.0		mg/Kg		05/09/25 08:12	05/09/25 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/09/25 08:12*	*05/09/25 23:02*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*05/09/25 08:12*	*05/09/25 23:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**199**		9.92		mg/Kg			05/09/25 13:48	1

Client Sample ID: SW - 3 (5.0')

Lab Sample ID: 890-8142-4
Matrix: Solid
Date Collected: 05/07/25 00:00
Date Received: 05/08/25 15:00

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		05/09/25 08:58	05/09/25 18:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/25 08:58	05/09/25 18:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/25 08:58	05/09/25 18:02	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/09/25 08:58	05/09/25 18:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/25 08:58	05/09/25 18:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/09/25 08:58	05/09/25 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/09/25 08:58*	*05/09/25 18:02*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/09/25 08:58*	*05/09/25 18:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/09/25 18:02	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			05/09/25 23:17	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		05/09/25 08:12	05/09/25 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/09/25 08:12	05/09/25 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/25 08:12	05/09/25 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*05/09/25 08:12*	*05/09/25 23:17*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*05/09/25 08:12*	*05/09/25 23:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		10.0		mg/Kg			05/09/25 13:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

Client Sample ID: SW - 4 (5.0')

Date Collected: 05/07/25 00:00
Date Received: 05/08/25 15:00

Lab Sample ID: 890-8142-5

Matrix: Solid

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		05/09/25 08:58	05/09/25 18:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/25 08:58	05/09/25 18:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/25 08:58	05/09/25 18:23	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/09/25 08:58	05/09/25 18:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/25 08:58	05/09/25 18:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/25 08:58	05/09/25 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/09/25 08:58*	*05/09/25 18:23*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/25 08:58*	*05/09/25 18:23*	*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			05/09/25 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/25 13:09	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		05/12/25 11:03	05/12/25 13:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/25 11:03	05/12/25 13:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 11:03	05/12/25 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*72*		*70 - 130*	*05/12/25 11:03*	*05/12/25 13:09*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*05/12/25 11:03*	*05/12/25 13:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.3**		10.1		mg/Kg			05/09/25 13:59	1

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

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)
880-56959-A-20-A MB	Method Blank	95	111
890-8138-A-2-B MS	Matrix Spike	94	103
890-8138-A-2-C MSD	Matrix Spike Duplicate	96	105
890-8142-1	CS - 1 (5.0')	90	100
890-8142-2	SW - 1 (5.0')	94	105
890-8142-3	SW - 2 (5.0')	91	106
890-8142-4	SW - 3 (5.0')	95	106
890-8142-5	SW - 4 (5.0')	93	105
LCS 880-109769/1-A	Lab Control Sample	94	102
LCSD 880-109769/2-A	Lab Control Sample Dup	93	110
MB 880-109769/5-A	Method Blank	91	91

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8140-A-1-B MS	Matrix Spike	104	94
890-8140-A-1-C MSD	Matrix Spike Duplicate	104	93
890-8142-1	CS - 1 (5.0')	91	91
890-8142-2	SW - 1 (5.0')	90	89
890-8142-3	SW - 2 (5.0')	92	89
890-8142-4	SW - 3 (5.0')	91	88
890-8142-5	SW - 4 (5.0')	72	71
890-8142-5 MS	SW - 4 (5.0')	106	105
890-8142-5 MSD	SW - 4 (5.0')	106	108
LCS 880-109762/2-A	Lab Control Sample	130	137 S1+
LCS 880-109950/2-A	Lab Control Sample	82	82
LCSD 880-109762/3-A	Lab Control Sample Dup	126	114
LCSD 880-109950/3-A	Lab Control Sample Dup	96	94
MB 880-109762/1-A	Method Blank	84	83
MB 880-109950/1-A	Method Blank	74	72

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-56959-A-20-A MB
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 16:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 16:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 16:55	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/09/25 08:58	05/09/25 16:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 16:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/25 08:58	05/09/25 16:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/09/25 08:58*	*05/09/25 16:55*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*05/09/25 08:58*	*05/09/25 16:55*	*1*

Lab Sample ID: MB 880-109769/5-A
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 11:28	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/09/25 08:58	05/09/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/25 08:58	05/09/25 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/09/25 08:58*	*05/09/25 11:28*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/09/25 08:58*	*05/09/25 11:28*	*1*

Lab Sample ID: LCS 880-109769/1-A
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1059		mg/Kg		106	70 - 130
Toluene	0.100	0.09472		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1032		mg/Kg		103	70 - 130
m,p-Xylenes	0.200	0.2031		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-109769/2-A
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109769

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1136		mg/Kg		114	70 - 130	7	35

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

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

Lab Sample ID: LCSD 880-109769/2-A
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109769

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09625		mg/Kg		96	70 - 130	2	35
Ethylbenzene			0.100	0.1038		mg/Kg		104	70 - 130	1	35
m,p-Xylenes			0.200	0.1986		mg/Kg		99	70 - 130	2	35
o-Xylene			0.100	0.09856		mg/Kg		99	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 890-8138-A-2-B MS
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 109769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09869		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.08513		mg/Kg		85	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08998		mg/Kg		90	70 - 130
m,p-Xylenes	<0.00400	U	0.200	0.1751		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.100	0.08598		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-8138-A-2-C MSD
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 109769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09964		mg/Kg		100	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.08760		mg/Kg		88	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08969		mg/Kg		90	70 - 130	0	35
m,p-Xylenes	<0.00400	U	0.200	0.1751		mg/Kg		88	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.08700		mg/Kg		87	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 880-109762/1-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109762

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		05/09/25 08:12	05/09/25 18:57	1

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

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

Lab Sample ID: MB 880-109762/1-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109762

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/25 08:12	05/09/25 18:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/25 08:12	05/09/25 18:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*05/09/25 08:12*	*05/09/25 18:57*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*05/09/25 08:12*	*05/09/25 18:57*	*1*

Lab Sample ID: LCS 880-109762/2-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1006		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1164		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*130*		*70 - 130*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-109762/3-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109762

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	825.7		mg/Kg		83	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	898.1	*1	mg/Kg		90	70 - 130	26	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*126*		*70 - 130*
o-Terphenyl (Surr)	*114*		*70 - 130*

Lab Sample ID: 890-8140-A-1-B MS
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 109762

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	1000		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U *1	999	1042		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*94*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

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

Lab Sample ID: 890-8140-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109866 — **Prep Batch: 109762**

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	<50.1	U	999	996.1		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.1	U *1	999	1032		mg/Kg		103	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*93*		*70 - 130*

Lab Sample ID: MB 880-109950/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109955 — **Prep Batch: 109950**

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		05/12/25 11:03	05/12/25 10:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 11:03	05/12/25 10:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 11:03	05/12/25 10:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*74*		*70 - 130*	*05/12/25 11:03*	*05/12/25 10:18*	*1*
o-Terphenyl (Surr)	*72*		*70 - 130*	*05/12/25 11:03*	*05/12/25 10:18*	*1*

Lab Sample ID: LCS 880-109950/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109955 — **Prep Batch: 109950**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	716.1		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	1000	758.9		mg/Kg		76	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*82*		*70 - 130*
o-Terphenyl (Surr)	*82*		*70 - 130*

Lab Sample ID: LCSD 880-109950/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109955 — **Prep Batch: 109950**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	859.4		mg/Kg		86	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	864.8		mg/Kg		86	70 - 130	13	20

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

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

Lab Sample ID: LCSD 880-109950/3-A
Matrix: Solid
Analysis Batch: 109955

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109950

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	96		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Lab Sample ID: 890-8142-5 MS
Matrix: Solid
Analysis Batch: 109955

Client Sample ID: SW - 4 (5.0')
Prep Type: Total/NA
Prep Batch: 109950

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	797.6		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	990	733.0		mg/Kg		74	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	105		70 - 130

Lab Sample ID: 890-8142-5 MSD
Matrix: Solid
Analysis Batch: 109955

Client Sample ID: SW - 4 (5.0')
Prep Type: Total/NA
Prep Batch: 109950

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	796.5		mg/Kg		80	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.8	U	990	743.7		mg/Kg		75	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	108		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109770/1-B
Matrix: Solid
Analysis Batch: 109774

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			05/09/25 11:39	1

Lab Sample ID: LCS 880-109770/2-B
Matrix: Solid
Analysis Batch: 109774

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.8		mg/Kg		96	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-109770/3-B
Matrix: Solid
Analysis Batch: 109774

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	241.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-8141-A-4-C MS
Matrix: Solid
Analysis Batch: 109774

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	146		248	416.7		mg/Kg		109	90 - 110		

Lab Sample ID: 890-8141-A-4-D MSD
Matrix: Solid
Analysis Batch: 109774

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	146		248	418.1		mg/Kg		110	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

GC VOA

Analysis Batch: 109766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-1	CS - 1 (5.0')	Total/NA	Solid	8021B	109769
890-8142-2	SW - 1 (5.0')	Total/NA	Solid	8021B	109769
890-8142-3	SW - 2 (5.0')	Total/NA	Solid	8021B	109769
890-8142-4	SW - 3 (5.0')	Total/NA	Solid	8021B	109769
890-8142-5	SW - 4 (5.0')	Total/NA	Solid	8021B	109769
880-56959-A-20-A MB	Method Blank	Total/NA	Solid	8021B	109769
MB 880-109769/5-A	Method Blank	Total/NA	Solid	8021B	109769
LCS 880-109769/1-A	Lab Control Sample	Total/NA	Solid	8021B	109769
LCSD 880-109769/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109769
890-8138-A-2-B MS	Matrix Spike	Total/NA	Solid	8021B	109769
890-8138-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	109769

Prep Batch: 109769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-1	CS - 1 (5.0')	Total/NA	Solid	5035	
890-8142-2	SW - 1 (5.0')	Total/NA	Solid	5035	
890-8142-3	SW - 2 (5.0')	Total/NA	Solid	5035	
890-8142-4	SW - 3 (5.0')	Total/NA	Solid	5035	
890-8142-5	SW - 4 (5.0')	Total/NA	Solid	5035	
880-56959-A-20-A MB	Method Blank	Total/NA	Solid	5035	
MB 880-109769/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109769/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109769/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8138-A-2-B MS	Matrix Spike	Total/NA	Solid	5035	
890-8138-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 109971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-1	CS - 1 (5.0')	Total/NA	Solid	Total BTEX	
890-8142-2	SW - 1 (5.0')	Total/NA	Solid	Total BTEX	
890-8142-3	SW - 2 (5.0')	Total/NA	Solid	Total BTEX	
890-8142-4	SW - 3 (5.0')	Total/NA	Solid	Total BTEX	
890-8142-5	SW - 4 (5.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 109762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-1	CS - 1 (5.0')	Total/NA	Solid	8015NM Prep	
890-8142-2	SW - 1 (5.0')	Total/NA	Solid	8015NM Prep	
890-8142-3	SW - 2 (5.0')	Total/NA	Solid	8015NM Prep	
890-8142-4	SW - 3 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-109762/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109762/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8140-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8140-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-1	CS - 1 (5.0')	Total/NA	Solid	8015B NM	109762

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

GC Semi VOA (Continued)

Analysis Batch: 109866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-2	SW - 1 (5.0')	Total/NA	Solid	8015B NM	109762
890-8142-3	SW - 2 (5.0')	Total/NA	Solid	8015B NM	109762
890-8142-4	SW - 3 (5.0')	Total/NA	Solid	8015B NM	109762
MB 880-109762/1-A	Method Blank	Total/NA	Solid	8015B NM	109762
LCS 880-109762/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109762
LCSD 880-109762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109762
890-8140-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	109762
890-8140-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	109762

Analysis Batch: 109946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-1	CS - 1 (5.0')	Total/NA	Solid	8015 NM	
890-8142-2	SW - 1 (5.0')	Total/NA	Solid	8015 NM	
890-8142-3	SW - 2 (5.0')	Total/NA	Solid	8015 NM	
890-8142-4	SW - 3 (5.0')	Total/NA	Solid	8015 NM	
890-8142-5	SW - 4 (5.0')	Total/NA	Solid	8015 NM	

Prep Batch: 109950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-5	SW - 4 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-109950/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109950/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109950/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8142-5 MS	SW - 4 (5.0')	Total/NA	Solid	8015NM Prep	
890-8142-5 MSD	SW - 4 (5.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-5	SW - 4 (5.0')	Total/NA	Solid	8015B NM	109950
MB 880-109950/1-A	Method Blank	Total/NA	Solid	8015B NM	109950
LCS 880-109950/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109950
LCSD 880-109950/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109950
890-8142-5 MS	SW - 4 (5.0')	Total/NA	Solid	8015B NM	109950
890-8142-5 MSD	SW - 4 (5.0')	Total/NA	Solid	8015B NM	109950

HPLC/IC

Leach Batch: 109770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-1	CS - 1 (5.0')	Soluble	Solid	DI Leach	
890-8142-2	SW - 1 (5.0')	Soluble	Solid	DI Leach	
890-8142-3	SW - 2 (5.0')	Soluble	Solid	DI Leach	
890-8142-4	SW - 3 (5.0')	Soluble	Solid	DI Leach	
890-8142-5	SW - 4 (5.0')	Soluble	Solid	DI Leach	
MB 880-109770/1-B	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109770/2-B	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109770/3-B	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8141-A-4-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8141-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

HPLC/IC

Analysis Batch: 109774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8142-1	CS - 1 (5.0')	Soluble	Solid	300.0	109770
890-8142-2	SW - 1 (5.0')	Soluble	Solid	300.0	109770
890-8142-3	SW - 2 (5.0')	Soluble	Solid	300.0	109770
890-8142-4	SW - 3 (5.0')	Soluble	Solid	300.0	109770
890-8142-5	SW - 4 (5.0')	Soluble	Solid	300.0	109770
MB 880-109770/1-B	Method Blank	Soluble	Solid	300.0	109770
LCS 880-109770/2-B	Lab Control Sample	Soluble	Solid	300.0	109770
LCSD 880-109770/3-B	Lab Control Sample Dup	Soluble	Solid	300.0	109770
890-8141-A-4-C MS	Matrix Spike	Soluble	Solid	300.0	109770
890-8141-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	109770

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

Client Sample ID: CS - 1 (5.0')
Lab Sample ID: 890-8142-1

Date Collected: 05/07/25 00:00
Matrix: Solid
Date Received: 05/08/25 15:00

Prep 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	109769	05/09/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109766	05/09/25 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109971	05/09/25 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			109946	05/09/25 22:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109762	05/09/25 08:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109866	05/09/25 22:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 13:28	CH	EET MID

Client Sample ID: SW - 1 (5.0')
Lab Sample ID: 890-8142-2

Date Collected: 05/07/25 00:00
Matrix: Solid
Date Received: 05/08/25 15:00

Prep 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	109769	05/09/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109766	05/09/25 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109971	05/09/25 15:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			109946	05/09/25 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109762	05/09/25 08:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109866	05/09/25 22:46	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 13:43	CH	EET MID

Client Sample ID: SW - 2 (5.0')
Lab Sample ID: 890-8142-3

Date Collected: 05/07/25 00:00
Matrix: Solid
Date Received: 05/08/25 15:00

Prep 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	109769	05/09/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109766	05/09/25 15:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109971	05/09/25 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			109946	05/09/25 23:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109762	05/09/25 08:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109866	05/09/25 23:02	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 13:48	CH	EET MID

Client Sample ID: SW - 3 (5.0')
Lab Sample ID: 890-8142-4

Date Collected: 05/07/25 00:00
Matrix: Solid
Date Received: 05/08/25 15:00

Prep 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	109769	05/09/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109766	05/09/25 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109971	05/09/25 18:02	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

Client Sample ID: SW - 3 (5.0')

Lab Sample ID: 890-8142-4

Date Collected: 05/07/25 00:00
Matrix: Solid
Date Received: 05/08/25 15:00

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			109946	05/09/25 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109762	05/09/25 08:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109866	05/09/25 23:17	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 13:54	CH	EET MID

Client Sample ID: SW - 4 (5.0')

Lab Sample ID: 890-8142-5

Date Collected: 05/07/25 00:00
Matrix: Solid
Date Received: 05/08/25 15:00

Prep 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	109769	05/09/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109766	05/09/25 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109971	05/09/25 18:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			109946	05/12/25 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109950	05/12/25 11:03	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109955	05/12/25 13:09	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 13:59	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
Job ID: 890-8142-1
Project/Site: HAYHURST PAD 10
SDG: 2628

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: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

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: HAYHURST PAD 10

Job ID: 890-8142-1
SDG: 2628

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8142-1	CS - 1 (5.0')	Solid	05/07/25 00:00	05/08/25 15:00
890-8142-2	SW - 1 (5.0')	Solid	05/07/25 00:00	05/08/25 15:00
890-8142-3	SW - 2 (5.0')	Solid	05/07/25 00:00	05/08/25 15:00
890-8142-4	SW - 3 (5.0')	Solid	05/07/25 00:00	05/08/25 15:00
890-8142-5	SW - 4 (5.0')	Solid	05/07/25 00:00	05/08/25 15:00

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Chain of Custody

Work Order No: _____

5/12/2025

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:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
Project Number:	2628	Due Date:	Normal
Project Location	Eddy Co, NM		
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	Tumed
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.2
Total Containers:		Corrected Temperature:	-1.0

ANALYSIS REQUEST

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

890-8142 Chain of Custody

Sample Identification	Date	Time	Soil	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-1 (5.0')	5/7/2025		X		C	1		X	X	X		
SW-1 (5.0')	5/7/2025		X		C	1		X	X	X		
SW-2 (5.0')	5/7/2025		X		C	1		X	X	X		
SW-3 (5.0')	5/7/2025		X		C	1		X	X	X		
SW-4 (5.0')	5/7/2025		X		C	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 KR	Brun S	5/8/25 3:00	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8142-1
SDG Number: 2628

Login Number: 8142
List Number: 1
Creator: Bruns, Shannon

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: Carmona Resources

Job Number: 890-8142-1
SDG Number: 2628

Login Number: 8142
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/09/25 08:24 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: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 5/13/2025 10:18:58 AM

JOB DESCRIPTION

HAYHURST PAD 10
2628

JOB NUMBER

890-8141-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 9:10:05 AM

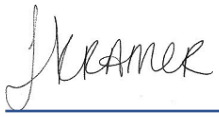
Eurofins Carlsbad

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



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5/13/2025 10:18:58 AM

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

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Laboratory Job ID: 890-8141-1
SDG: 2628

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Definitions/Glossary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*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
Project: HAYHURST PAD 10

Job ID: 890-8141-1

Job ID: 890-8141-1 Eurofins Carlsbad

Job Narrative
890-8141-1

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 5/8/2025 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 2 (5.0') (890-8141-1), SW - 5 (5.0') (890-8141-2), SW - 6 (5.0') (890-8141-3), SW - 7 (5.0') (890-8141-4) and SW - 8 (5.0') (890-8141-5).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-109771 and analytical batch 880-109767 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: Surrogate recovery for the following samples were outside control limits: SW - 5 (5.0') (890-8141-2), SW - 6 (5.0') (890-8141-3) and (880-57947-A-1-J). 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 880-109916 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-109916/33).

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-109838 and analytical batch 880-109916 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: Surrogate recovery for the following sample was outside control limits: (LCS 880-109762/2-A). 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 880-109762 and analytical batch 880-109866 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

Client Sample ID: CS - 2 (5.0')

Lab Sample ID: 890-8141-1
Matrix: Solid
Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00279**	***-**	0.00201		mg/Kg		05/09/25 09:03	05/09/25 13:52	1
Toluene	**0.00450**		0.00201		mg/Kg		05/09/25 09:03	05/09/25 13:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/25 09:03	05/09/25 13:52	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/09/25 09:03	05/09/25 13:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/25 09:03	05/09/25 13:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/25 09:03	05/09/25 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/09/25 09:03*	*05/09/25 13:52*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*05/09/25 09:03*	*05/09/25 13:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00729**		0.00402		mg/Kg			05/09/25 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/09/25 21:11	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	<50.2	U	50.2		mg/Kg		05/09/25 08:12	05/09/25 21:11	1
Diesel Range Organics (Over C10-C28)	<50.2	U *1	50.2		mg/Kg		05/09/25 08:12	05/09/25 21:11	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/09/25 08:12	05/09/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/09/25 08:12*	*05/09/25 21:11*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/09/25 08:12*	*05/09/25 21:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**829**		10.0		mg/Kg			05/09/25 12:51	1

Client Sample ID: SW - 5 (5.0')

Lab Sample ID: 890-8141-2
Matrix: Solid
Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *-	0.00202		mg/Kg		05/09/25 09:03	05/09/25 14:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/25 09:03	05/09/25 14:13	1
Ethylbenzene	**0.00524**		0.00202		mg/Kg		05/09/25 09:03	05/09/25 14:13	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/09/25 09:03	05/09/25 14:13	1
o-Xylene	**0.00405**		0.00202		mg/Kg		05/09/25 09:03	05/09/25 14:13	1
Xylenes, Total	**0.00405**		0.00404		mg/Kg		05/09/25 09:03	05/09/25 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/09/25 09:03*	*05/09/25 14:13*	*1*
1,4-Difluorobenzene (Surr)	*58*	*S1-*	*70 - 130*	*05/09/25 09:03*	*05/09/25 14:13*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

Client Sample ID: SW - 5 (5.0')

Lab Sample ID: 890-8141-2
Matrix: Solid
Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00929**		0.00404		mg/Kg			05/09/25 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/09/25 21:26	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		05/09/25 08:12	05/09/25 21:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		05/09/25 08:12	05/09/25 21:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/09/25 08:12	05/09/25 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*05/09/25 08:12*	*05/09/25 21:26*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/09/25 08:12*	*05/09/25 21:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.0**		9.96		mg/Kg			05/09/25 12:57	1

Client Sample ID: SW - 6 (5.0')

Lab Sample ID: 890-8141-3
Matrix: Solid
Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

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		05/09/25 09:03	05/09/25 14:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/25 09:03	05/09/25 14:33	1
Ethylbenzene	**0.00553**		0.00199		mg/Kg		05/09/25 09:03	05/09/25 14:33	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/09/25 09:03	05/09/25 14:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/25 09:03	05/09/25 14:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/25 09:03	05/09/25 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/09/25 09:03*	*05/09/25 14:33*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*05/09/25 09:03*	*05/09/25 14:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00553**		0.00398		mg/Kg			05/09/25 14:33	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			05/09/25 21:42	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		05/09/25 08:12	05/09/25 21:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		05/09/25 08:12	05/09/25 21:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

Client Sample ID: SW - 6 (5.0')

Lab Sample ID: 890-8141-3
Matrix: Solid
Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

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)	<49.8	U	49.8		mg/Kg		05/09/25 08:12	05/09/25 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/09/25 08:12*	*05/09/25 21:42*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*05/09/25 08:12*	*05/09/25 21:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.8**		9.96		mg/Kg			05/09/25 13:02	1

Client Sample ID: SW - 7 (5.0')

Lab Sample ID: 890-8141-4
Matrix: Solid
Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/09/25 13:08	05/12/25 19:51	1
Toluene	**0.00479**		0.00202		mg/Kg		05/09/25 13:08	05/12/25 19:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/25 13:08	05/12/25 19:51	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/09/25 13:08	05/12/25 19:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/25 13:08	05/12/25 19:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/25 13:08	05/12/25 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*05/09/25 13:08*	*05/12/25 19:51*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/09/25 13:08*	*05/12/25 19:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00479**		0.00404		mg/Kg			05/12/25 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			05/09/25 21:58	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	<50.3	U	50.3		mg/Kg		05/09/25 08:12	05/09/25 21:58	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		05/09/25 08:12	05/09/25 21:58	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/09/25 08:12	05/09/25 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/09/25 08:12*	*05/09/25 21:58*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*05/09/25 08:12*	*05/09/25 21:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		9.98		mg/Kg			05/09/25 13:07	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

Client Sample ID: SW - 8 (5.0')

Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

Lab Sample ID: 890-8141-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00382**		0.00199		mg/Kg		05/09/25 13:07	05/12/25 20:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/25 13:07	05/12/25 20:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/25 13:07	05/12/25 20:12	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/09/25 13:07	05/12/25 20:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/25 13:07	05/12/25 20:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/25 13:07	05/12/25 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/09/25 13:07*	*05/12/25 20:12*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*05/09/25 13:07*	*05/12/25 20:12*	*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			05/12/25 20:12	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			05/09/25 22:13	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		05/09/25 08:12	05/09/25 22:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/09/25 08:12	05/09/25 22:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/25 08:12	05/09/25 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*05/09/25 08:12*	*05/09/25 22:13*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/09/25 08:12*	*05/09/25 22:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		10.1		mg/Kg			05/09/25 13:23	1

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

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)
880-57947-A-1-H MS	Matrix Spike	103	97
880-57947-A-1-I MSD	Matrix Spike Duplicate	106	103
880-57967-A-2-B MS	Matrix Spike	87	89
880-57967-A-2-C MSD	Matrix Spike Duplicate	89	95
890-8141-1	CS - 2 (5.0')	104	75
890-8141-2	SW - 5 (5.0')	107	58 S1-
890-8141-3	SW - 6 (5.0')	96	66 S1-
890-8141-4	SW - 7 (5.0')	87	97
890-8141-5	SW - 8 (5.0')	99	122
LCS 880-109771/1-A	Lab Control Sample	96	82
LCS 880-109838/1-A	Lab Control Sample	92	105
LCSD 880-109771/2-A	Lab Control Sample Dup	98	101
LCSD 880-109838/2-A	Lab Control Sample Dup	102	126
MB 880-109771/5-A	Method Blank	93	72
MB 880-109838/5-A	Method Blank	93	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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8140-A-1-B MS	Matrix Spike	104	94
890-8140-A-1-C MSD	Matrix Spike Duplicate	104	93
890-8141-1	CS - 2 (5.0')	92	93
890-8141-2	SW - 5 (5.0')	93	93
890-8141-3	SW - 6 (5.0')	92	91
890-8141-4	SW - 7 (5.0')	92	92
890-8141-5	SW - 8 (5.0')	94	93
LCS 880-109762/2-A	Lab Control Sample	130	137 S1+
LCSD 880-109762/3-A	Lab Control Sample Dup	126	114
MB 880-109762/1-A	Method Blank	84	83

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-109771/5-A
Matrix: Solid
Analysis Batch: 109767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/25 09:03	05/09/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/25 09:03	05/09/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/25 09:03	05/09/25 11:28	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/09/25 09:03	05/09/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/25 09:03	05/09/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/25 09:03	05/09/25 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/09/25 09:03*	*05/09/25 11:28*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*05/09/25 09:03*	*05/09/25 11:28*	*1*

Lab Sample ID: LCS 880-109771/1-A
Matrix: Solid
Analysis Batch: 109767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109771

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.06323	*-	mg/Kg		63	70 - 130		
Toluene			0.100	0.08141		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.08990		mg/Kg		90	70 - 130		
m,p-Xylenes			0.200	0.1601		mg/Kg		80	70 - 130		
o-Xylene			0.100	0.08757		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: LCSD 880-109771/2-A
Matrix: Solid
Analysis Batch: 109767

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109771

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07901		mg/Kg		79	70 - 130	22	35
Toluene			0.100	0.09040		mg/Kg		90	70 - 130	10	35
Ethylbenzene			0.100	0.09832		mg/Kg		98	70 - 130	9	35
m,p-Xylenes			0.200	0.1656		mg/Kg		83	70 - 130	3	35
o-Xylene			0.100	0.09400		mg/Kg		94	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-57947-A-1-H MS
Matrix: Solid
Analysis Batch: 109767

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 109771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.00269	*-	0.100	0.07785		mg/Kg		75	70 - 130		
Toluene	<0.00200	U	0.100	0.09296		mg/Kg		93	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

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

Lab Sample ID: 880-57947-A-1-H MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109767 — **Prep Batch: 109771**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09475		mg/Kg		93	70 - 130
m,p-Xylenes	<0.00400	U	0.200	0.1627		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U	0.100	0.09412		mg/Kg		94	70 - 130

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

Lab Sample ID: 880-57947-A-1-I MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109767 — **Prep Batch: 109771**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00269	*-	0.100	0.09721		mg/Kg		95	70 - 130	22	35
Toluene	<0.00200	U	0.100	0.1063		mg/Kg		106	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.100	0.1086		mg/Kg		107	70 - 130	14	35
m,p-Xylenes	<0.00400	U	0.200	0.1867		mg/Kg		93	70 - 130	14	35
o-Xylene	<0.00200	U	0.100	0.09987		mg/Kg		100	70 - 130	6	35

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

Lab Sample ID: MB 880-109838/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109916 — **Prep Batch: 109838**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/25 13:07	05/12/25 11:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/25 13:07	05/12/25 11:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/25 13:07	05/12/25 11:29	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/09/25 13:07	05/12/25 11:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/25 13:07	05/12/25 11:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/25 13:07	05/12/25 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/09/25 13:07*	*05/12/25 11:29*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/09/25 13:07*	*05/12/25 11:29*	*1*

Lab Sample ID: LCS 880-109838/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109916 — **Prep Batch: 109838**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1147		mg/Kg		115	70 - 130
Toluene	0.100	0.09802		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1065		mg/Kg		107	70 - 130
m,p-Xylenes	0.200	0.1968		mg/Kg		98	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

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

Lab Sample ID: LCS 880-109838/1-A
Matrix: Solid
Analysis Batch: 109916

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109838

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09879		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-109838/2-A
Matrix: Solid
Analysis Batch: 109916

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109838

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1251		mg/Kg		125	70 - 130	9	35
Toluene			0.100	0.09407		mg/Kg		94	70 - 130	4	35
Ethylbenzene			0.100	0.1104		mg/Kg		110	70 - 130	4	35
m,p-Xylenes			0.200	0.2032		mg/Kg		102	70 - 130	3	35
o-Xylene			0.100	0.09687		mg/Kg		97	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*

Lab Sample ID: 880-57967-A-2-B MS
Matrix: Solid
Analysis Batch: 109916

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 109838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F2 F1	0.100	0.06931	F1	mg/Kg		69	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.05701	F1	mg/Kg		57	70 - 130		
Ethylbenzene	<0.00200	U F2 F1	0.100	0.06807	F1	mg/Kg		68	70 - 130		
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.1132	F1	mg/Kg		57	70 - 130		
o-Xylene	<0.00200	U F2 F1	0.100	0.05957	F1	mg/Kg		60	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-57967-A-2-C MSD
Matrix: Solid
Analysis Batch: 109916

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 109838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.100	0.02913	F2 F1	mg/Kg		29	70 - 130	82	35
Toluene	<0.00200	U F2 F1	0.100	0.02409	F2 F1	mg/Kg		24	70 - 130	81	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.02811	F2 F1	mg/Kg		28	70 - 130	83	35
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.04965	F2 F1	mg/Kg		25	70 - 130	78	35
o-Xylene	<0.00200	U F2 F1	0.100	0.02931	F2 F1	mg/Kg		29	70 - 130	68	35

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

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

Lab Sample ID: 880-57967-A-2-C MSD
Matrix: Solid
Analysis Batch: 109916

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 109838

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-109762/1-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109762

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		05/09/25 08:12	05/09/25 18:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/25 08:12	05/09/25 18:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/25 08:12	05/09/25 18:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	05/09/25 08:12	05/09/25 18:57	1
o-Terphenyl (Surr)	83		70 - 130	05/09/25 08:12	05/09/25 18:57	1

Lab Sample ID: LCS 880-109762/2-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109762

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1006		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1164		mg/Kg		116	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	130		70 - 130
o-Terphenyl (Surr)	137	S1+	70 - 130

Lab Sample ID: LCSD 880-109762/3-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109762

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	825.7		mg/Kg		83	70 - 130	20	20
Diesel Range Organics (Over C10-C28)			1000	898.1	*1	mg/Kg		90	70 - 130	26	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	114		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

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

Lab Sample ID: 890-8140-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109866 — **Prep Batch: 109762**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	1000		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U *1	999	1042		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-8140-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109866 — **Prep Batch: 109762**

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	<50.1	U	999	996.1		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.1	U *1	999	1032		mg/Kg		103	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*93*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109770/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 109774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/09/25 11:39	1

Lab Sample ID: LCS 880-109770/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 109774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-109770/3-B — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 109774

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.4		mg/Kg		97	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8141-4 MS
Matrix: Solid
Analysis Batch: 109774

Client Sample ID: SW - 7 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	146		248	416.7		mg/Kg		109	90 - 110		

Lab Sample ID: 890-8141-4 MSD
Matrix: Solid
Analysis Batch: 109774

Client Sample ID: SW - 7 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	146		248	418.1		mg/Kg		110	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

GC VOA

Analysis Batch: 109767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-1	CS - 2 (5.0')	Total/NA	Solid	8021B	109771
890-8141-2	SW - 5 (5.0')	Total/NA	Solid	8021B	109771
890-8141-3	SW - 6 (5.0')	Total/NA	Solid	8021B	109771
MB 880-109771/5-A	Method Blank	Total/NA	Solid	8021B	109771
LCS 880-109771/1-A	Lab Control Sample	Total/NA	Solid	8021B	109771
LCSD 880-109771/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109771
880-57947-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	109771
880-57947-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	109771

Prep Batch: 109771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-1	CS - 2 (5.0')	Total/NA	Solid	5035	
890-8141-2	SW - 5 (5.0')	Total/NA	Solid	5035	
890-8141-3	SW - 6 (5.0')	Total/NA	Solid	5035	
MB 880-109771/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109771/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109771/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-57947-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-57947-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 109838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-4	SW - 7 (5.0')	Total/NA	Solid	5035	
890-8141-5	SW - 8 (5.0')	Total/NA	Solid	5035	
MB 880-109838/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109838/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109838/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-57967-A-2-B MS	Matrix Spike	Total/NA	Solid	5035	
880-57967-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 109916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-4	SW - 7 (5.0')	Total/NA	Solid	8021B	109838
890-8141-5	SW - 8 (5.0')	Total/NA	Solid	8021B	109838
MB 880-109838/5-A	Method Blank	Total/NA	Solid	8021B	109838
LCS 880-109838/1-A	Lab Control Sample	Total/NA	Solid	8021B	109838
LCSD 880-109838/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109838
880-57967-A-2-B MS	Matrix Spike	Total/NA	Solid	8021B	109838
880-57967-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	109838

Analysis Batch: 109961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-1	CS - 2 (5.0')	Total/NA	Solid	Total BTEX	
890-8141-2	SW - 5 (5.0')	Total/NA	Solid	Total BTEX	
890-8141-3	SW - 6 (5.0')	Total/NA	Solid	Total BTEX	
890-8141-4	SW - 7 (5.0')	Total/NA	Solid	Total BTEX	
890-8141-5	SW - 8 (5.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

GC Semi VOA

Prep Batch: 109762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-1	CS - 2 (5.0')	Total/NA	Solid	8015NM Prep	
890-8141-2	SW - 5 (5.0')	Total/NA	Solid	8015NM Prep	
890-8141-3	SW - 6 (5.0')	Total/NA	Solid	8015NM Prep	
890-8141-4	SW - 7 (5.0')	Total/NA	Solid	8015NM Prep	
890-8141-5	SW - 8 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-109762/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109762/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8140-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8140-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-1	CS - 2 (5.0')	Total/NA	Solid	8015B NM	109762
890-8141-2	SW - 5 (5.0')	Total/NA	Solid	8015B NM	109762
890-8141-3	SW - 6 (5.0')	Total/NA	Solid	8015B NM	109762
890-8141-4	SW - 7 (5.0')	Total/NA	Solid	8015B NM	109762
890-8141-5	SW - 8 (5.0')	Total/NA	Solid	8015B NM	109762
MB 880-109762/1-A	Method Blank	Total/NA	Solid	8015B NM	109762
LCS 880-109762/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109762
LCSD 880-109762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109762
890-8140-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	109762
890-8140-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	109762

Analysis Batch: 109945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-1	CS - 2 (5.0')	Total/NA	Solid	8015 NM	
890-8141-2	SW - 5 (5.0')	Total/NA	Solid	8015 NM	
890-8141-3	SW - 6 (5.0')	Total/NA	Solid	8015 NM	
890-8141-4	SW - 7 (5.0')	Total/NA	Solid	8015 NM	
890-8141-5	SW - 8 (5.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 109770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-1	CS - 2 (5.0')	Soluble	Solid	DI Leach	
890-8141-2	SW - 5 (5.0')	Soluble	Solid	DI Leach	
890-8141-3	SW - 6 (5.0')	Soluble	Solid	DI Leach	
890-8141-4	SW - 7 (5.0')	Soluble	Solid	DI Leach	
890-8141-5	SW - 8 (5.0')	Soluble	Solid	DI Leach	
MB 880-109770/1-B	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109770/2-B	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109770/3-B	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8141-4 MS	SW - 7 (5.0')	Soluble	Solid	DI Leach	
890-8141-4 MSD	SW - 7 (5.0')	Soluble	Solid	DI Leach	

Analysis Batch: 109774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-1	CS - 2 (5.0')	Soluble	Solid	300.0	109770
890-8141-2	SW - 5 (5.0')	Soluble	Solid	300.0	109770

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

HPLC/IC (Continued)

Analysis Batch: 109774 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8141-3	SW - 6 (5.0')	Soluble	Solid	300.0	109770
890-8141-4	SW - 7 (5.0')	Soluble	Solid	300.0	109770
890-8141-5	SW - 8 (5.0')	Soluble	Solid	300.0	109770
MB 880-109770/1-B	Method Blank	Soluble	Solid	300.0	109770
LCS 880-109770/2-B	Lab Control Sample	Soluble	Solid	300.0	109770
LCSD 880-109770/3-B	Lab Control Sample Dup	Soluble	Solid	300.0	109770
890-8141-4 MS	SW - 7 (5.0')	Soluble	Solid	300.0	109770
890-8141-4 MSD	SW - 7 (5.0')	Soluble	Solid	300.0	109770

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

Client Sample ID: CS - 2 (5.0')

Lab Sample ID: 890-8141-1
Matrix: Solid
Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

Prep 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	109771	05/09/25 09:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109767	05/09/25 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109961	05/09/25 13:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			109945	05/09/25 21:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	109762	05/09/25 08:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109866	05/09/25 21:11	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 12:51	CH	EET MID

Client Sample ID: SW - 5 (5.0')

Lab Sample ID: 890-8141-2
Matrix: Solid
Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

Prep 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	109771	05/09/25 09:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109767	05/09/25 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109961	05/09/25 14:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			109945	05/09/25 21:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109762	05/09/25 08:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109866	05/09/25 21:26	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 12:57	CH	EET MID

Client Sample ID: SW - 6 (5.0')

Lab Sample ID: 890-8141-3
Matrix: Solid
Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

Prep 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	109771	05/09/25 09:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109767	05/09/25 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109961	05/09/25 14:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			109945	05/09/25 21:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109762	05/09/25 08:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109866	05/09/25 21:42	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 13:02	CH	EET MID

Client Sample ID: SW - 7 (5.0')

Lab Sample ID: 890-8141-4
Matrix: Solid
Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

Prep 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	109838	05/09/25 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/12/25 19:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109961	05/12/25 19:51	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

Client Sample ID: SW - 7 (5.0')

Lab Sample ID: 890-8141-4

Date Collected: 05/08/25 00:00
Matrix: Solid
Date Received: 05/08/25 15:00

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			109945	05/09/25 21:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	109762	05/09/25 08:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109866	05/09/25 21:58	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 13:07	CH	EET MID

Client Sample ID: SW - 8 (5.0')

Lab Sample ID: 890-8141-5

Date Collected: 05/08/25 00:00
Matrix: Solid
Date Received: 05/08/25 15:00

Prep 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	109838	05/09/25 13:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/12/25 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109961	05/12/25 20:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			109945	05/09/25 22:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109762	05/09/25 08:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109866	05/09/25 22:13	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 13:23	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
Job ID: 890-8141-1
Project/Site: HAYHURST PAD 10
SDG: 2628

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: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

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: HAYHURST PAD 10

Job ID: 890-8141-1
SDG: 2628

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8141-1	CS - 2 (5.0')	Solid	05/08/25 00:00	05/08/25 15:00
890-8141-2	SW - 5 (5.0')	Solid	05/08/25 00:00	05/08/25 15:00
890-8141-3	SW - 6 (5.0')	Solid	05/08/25 00:00	05/08/25 15:00
890-8141-4	SW - 7 (5.0')	Solid	05/08/25 00:00	05/08/25 15:00
890-8141-5	SW - 8 (5.0')	Solid	05/08/25 00:00	05/08/25 15:00

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Chain of Custody

Work Order No: _____

5/13/2025

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:	Hayhurst Pad 10	Turn Around	
Project Number:	2628	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	Normal
~~Sampler's Name:~~	~~KR~~		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	Tumec7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.2
Total Containers:		Corrected Temperature:	-1.0

ANALYSIS REQUEST

890-8141 Chain of Custody

Sample Identification	Date	Time	Soil	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-2 (5.0')	5/8/2025		X		C	1	X	X	X		
SW-5 (5.0')	5/8/2025		X		C	1	X	X	X		
SW-6 (5.0')	5/8/2025		X		C	1	X	X	X		
SW-7 (5.0')	5/8/2025		X		C	1	X	X	X		
SW-8 (5.0')	5/8/2025		X		C	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
		5/8/25 3:00	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

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Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8141-1
SDG Number: 2628

Login Number: 8141
List Number: 1
Creator: Bruns, Shannon

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: Carmona Resources

Job Number: 890-8141-1
SDG Number: 2628

Login Number: 8141
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/09/25 08:24 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	

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 19, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: HAYHURST PAD 10

Enclosed are the results of analyses for samples received by the laboratory on 05/13/25 16:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 3 (5.0') (H252864-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/15/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/14/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	218	109	200	0.814	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	209	104	200	0.879	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *99.1 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.9 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 4 (5.0') (H252864-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/15/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/14/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	191	95.5	200	0.646	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	193	96.7	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *88.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *78.7 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 9 (5.0') (H252864-03)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/15/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/14/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	191	95.5	200	0.646	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	193	96.7	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *91.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.8 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 10 (5.0') (H252864-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/15/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/14/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	191	95.5	200	0.646	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	193	96.7	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *90.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.1 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 11 (5.0') (H252864-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/15/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/14/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	191	95.5	200	0.646	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	193	96.7	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *91.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.9 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 12 (5.0') (H252864-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/15/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	191	95.5	200	0.646	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	193	96.7	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *91.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *82.3 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 13 (5.0') (H252864-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/15/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	191	95.5	200	0.646	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	193	96.7	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *93.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.1 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 14 (5.0') (H252864-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/15/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	191	95.5	200	0.646	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	193	96.7	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *86.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *79.5 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 15 (5.0') (H252864-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/15/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	191	95.5	200	0.646	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	193	96.7	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *90.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *81.5 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/13/2025	Sampling Date:	05/09/2025
Reported:	05/19/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 16 (5.0') (H252864-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2025	ND	2.35	117	2.00	2.70	
Toluene*	<0.050	0.050	05/15/2025	ND	2.29	114	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/15/2025	ND	2.36	118	2.00	1.84	
Total Xylenes*	<0.150	0.150	05/15/2025	ND	7.17	119	6.00	2.36	
Total BTEX	<0.300	0.300	05/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/14/2025	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2025	ND	191	95.5	200	0.646	
DRO >C10-C28*	<10.0	10.0	05/14/2025	ND	193	96.7	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	05/14/2025	ND					

Surrogate: 1-Chlorooctane *94.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *84.9 %* *40.6-153*

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 711 of 1057

Chain of Custody

Work Order No: H253864

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:	Hayhurst Pad 10	Turn Around	☑ Routine ☐ Rush
Project Number:	2628	Due Date:	Standard TAT
Project Location	Eddy Co, NM		
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.3
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.1
Total Containers:		Corrected Temperature:	3.4

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

							ANALYSIS REQUEST															
Sample Identification	Date	Time	Soil	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500										HOLD	Sample Comments
CS-3 (5.0')	5/9/2025		X		Comp	1			X	X	X											
CS-4 (5.0')	5/9/2025		X		Comp	1			X	X	X											
SW-9 (5.0')	5/9/2025		X		Comp	1			X	X	X											
SW-10 (5.0')	5/9/2025		X		Comp	1			X	X	X											
SW-11 (5.0')	5/9/2025		X		Comp	1			X	X	X											
SW-12 (5.0')	5/9/2025		X		Comp	1			X	X	X											
SW-13 (5.0')	5/9/2025		X		Comp	1			X	X	X											
SW-14 (5.0')	5/9/2025		X		Comp	1			X	X	X											
SW-15 (5.0')	5/9/2025		X		Comp	1			X	X	X											
SW-16 (5.0')	5/9/2025		X		Comp	1			X	X	X											

1 2 3 4 5 6 7 8 9 10

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 Kevin Davies	Tamara Allday	5-13-25/1142	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/16/2025 3:48:48 PM

JOB DESCRIPTION

HAYHURST PAD 10
Eddy County NM

JOB NUMBER

890-8161-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 9:10:05 AM

my EOL

Eurofins Carlsbad

Job Notes

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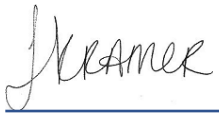
Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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5/16/2025 3:48:48 PM

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

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Laboratory Job ID: 890-8161-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: HAYHURST PAD 10

Job ID: 890-8161-1

Job ID: 890-8161-1 Eurofins Carlsbad

Job Narrative
890-8161-1

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 5/14/2025 3:03 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 5.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 2 (5.25') (890-8161-1), CS - 5 (5.0') (890-8161-2), SW - 17 (5.0') (890-8161-3), SW - 18 (5.0') (890-8161-4), SW - 19 (5.0') (890-8161-5) and SW - 20 (5.0') (890-8161-6).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-110184/33). 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
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS - 2 (5.25') (890-8161-1), SW - 17 (5.0') (890-8161-3), SW - 18 (5.0') (890-8161-4), (880-58112-A-29-B) and (880-58112-A-29-C MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-110116 and analytical batch 880-110221 contained 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: Surrogate recovery for the following sample was outside control limits: SW - 19 (5.0') (890-8161-5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-110258 and analytical batch 880-110306 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-110258/2-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC
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: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Client Sample ID: CS - 2 (5.25')

Lab Sample ID: 890-8161-1
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/15/25 08:23	05/15/25 17:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/15/25 08:23	05/15/25 17:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/15/25 08:23	05/15/25 17:36	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/15/25 08:23	05/15/25 17:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/15/25 08:23	05/15/25 17:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/15/25 08:23	05/15/25 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/15/25 08:23*	*05/15/25 17:36*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/15/25 08:23*	*05/15/25 17:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/15/25 17:36	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			05/15/25 16:28	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	<49.8	U	49.8		mg/Kg		05/14/25 11:12	05/15/25 16:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/25 11:12	05/15/25 16:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/25 11:12	05/15/25 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*136*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 16:28*	*1*
o-Terphenyl (Surr)	*138*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 16:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		10.1		mg/Kg			05/15/25 21:36	1

Client Sample ID: CS - 5 (5.0')

Lab Sample ID: 890-8161-2
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

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		05/15/25 08:23	05/15/25 17:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/15/25 08:23	05/15/25 17:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/15/25 08:23	05/15/25 17:57	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/15/25 08:23	05/15/25 17:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/15/25 08:23	05/15/25 17:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/15/25 08:23	05/15/25 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*05/15/25 08:23*	*05/15/25 17:57*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/15/25 08:23*	*05/15/25 17:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Client Sample ID: CS - 5 (5.0')

Lab Sample ID: 890-8161-2
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

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			05/15/25 17:57	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			05/15/25 16:43	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		05/14/25 11:12	05/15/25 16:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/25 11:12	05/15/25 16:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/25 11:12	05/15/25 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*05/14/25 11:12*	*05/15/25 16:43*	*1*
o-Terphenyl (Surr)	*124*		*70 - 130*	*05/14/25 11:12*	*05/15/25 16:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.0**		10.1		mg/Kg			05/15/25 21:56	1

Client Sample ID: SW - 17 (5.0')

Lab Sample ID: 890-8161-3
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

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		05/15/25 08:23	05/15/25 18:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/15/25 08:23	05/15/25 18:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/15/25 08:23	05/15/25 18:17	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/15/25 08:23	05/15/25 18:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/15/25 08:23	05/15/25 18:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/15/25 08:23	05/15/25 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/15/25 08:23*	*05/15/25 18:17*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/15/25 08:23*	*05/15/25 18:17*	*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			05/15/25 18:17	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			05/15/25 16:57	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		05/14/25 11:12	05/15/25 16:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/25 11:12	05/15/25 16:57	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Client Sample ID: SW - 17 (5.0')

Lab Sample ID: 890-8161-3
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

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		05/14/25 11:12	05/15/25 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*136*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 16:57*	*1*
o-Terphenyl (Surr)	*138*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 16:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		10.0		mg/Kg			05/15/25 22:03	1

Client Sample ID: SW - 18 (5.0')

Lab Sample ID: 890-8161-4
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

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		05/15/25 08:23	05/15/25 18:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:23	05/15/25 18:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:23	05/15/25 18:37	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/15/25 08:23	05/15/25 18:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:23	05/15/25 18:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/15/25 08:23	05/15/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/15/25 08:23*	*05/15/25 18:37*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/15/25 08:23*	*05/15/25 18:37*	*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			05/15/25 18:37	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			05/15/25 17:11	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	<50.0	U	50.0		mg/Kg		05/14/25 11:12	05/15/25 17:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/25 11:12	05/15/25 17:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 11:12	05/15/25 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*136*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 17:11*	*1*
o-Terphenyl (Surr)	*140*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 17:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.9**		10.1		mg/Kg			05/15/25 22:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Client Sample ID: SW - 19 (5.0')

Lab Sample ID: 890-8161-5
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

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		05/15/25 08:23	05/15/25 18:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/15/25 08:23	05/15/25 18:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/15/25 08:23	05/15/25 18:58	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/15/25 08:23	05/15/25 18:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/15/25 08:23	05/15/25 18:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/15/25 08:23	05/15/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*05/15/25 08:23*	*05/15/25 18:58*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/15/25 08:23*	*05/15/25 18:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/15/25 18:58	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			05/15/25 17:26	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		05/14/25 11:12	05/15/25 17:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/25 11:12	05/15/25 17:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/25 11:12	05/15/25 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*121*		*70 - 130*	*05/14/25 11:12*	*05/15/25 17:26*	*1*
o-Terphenyl (Surr)	*133*	*S1+*	*70 - 130*	*05/14/25 11:12*	*05/15/25 17:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.0**		9.94		mg/Kg			05/15/25 22:30	1

Client Sample ID: SW - 20 (5.0')

Lab Sample ID: 890-8161-6
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

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		05/15/25 08:23	05/15/25 19:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/15/25 08:23	05/15/25 19:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/15/25 08:23	05/15/25 19:18	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/15/25 08:23	05/15/25 19:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/15/25 08:23	05/15/25 19:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/15/25 08:23	05/15/25 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/15/25 08:23*	*05/15/25 19:18*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/15/25 08:23*	*05/15/25 19:18*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Client Sample ID: SW - 20 (5.0')

Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

Lab Sample ID: 890-8161-6

Matrix: Solid

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			05/15/25 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/16/25 11:16	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	<50.1	U	50.1		mg/Kg		05/15/25 15:01	05/16/25 11:16	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/15/25 15:01	05/16/25 11:16	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/15/25 15:01	05/16/25 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*125*		*70 - 130*	*05/15/25 15:01*	*05/16/25 11:16*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*05/15/25 15:01*	*05/16/25 11:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87.5**		9.92		mg/Kg			05/15/25 22:37	1

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy 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)
890-8159-A-1-E MS	Matrix Spike	119	100
890-8159-A-1-F MSD	Matrix Spike Duplicate	113	99
890-8161-1	CS - 2 (5.25')	121	96
890-8161-2	CS - 5 (5.0')	124	88
890-8161-3	SW - 17 (5.0')	120	95
890-8161-4	SW - 18 (5.0')	125	94
890-8161-5	SW - 19 (5.0')	122	96
890-8161-6	SW - 20 (5.0')	118	97
LCS 880-110187/1-A	Lab Control Sample	114	101
LCSD 880-110187/2-A	Lab Control Sample Dup	111	101
MB 880-110187/5-A	Method Blank	106	90

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-58112-A-29-C MS	Matrix Spike	136 S1+	133 S1+
880-58112-A-29-D MSD	Matrix Spike Duplicate	118	118
890-8161-1	CS - 2 (5.25')	136 S1+	138 S1+
890-8161-2	CS - 5 (5.0')	115	124
890-8161-3	SW - 17 (5.0')	136 S1+	138 S1+
890-8161-4	SW - 18 (5.0')	136 S1+	140 S1+
890-8161-5	SW - 19 (5.0')	121	133 S1+
890-8161-6	SW - 20 (5.0')	125	120
890-8161-6 MS	SW - 20 (5.0')	112	112
890-8161-6 MSD	SW - 20 (5.0')	96	98
LCS 880-110116/2-A	Lab Control Sample	113	113
LCS 880-110258/2-A	Lab Control Sample	134 S1+	129
LCSD 880-110116/3-A	Lab Control Sample Dup	97	98
LCSD 880-110258/3-A	Lab Control Sample Dup	129	125
MB 880-110116/1-A	Method Blank	98	99
MB 880-110258/1-A	Method Blank	144 S1+	138 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110187/5-A
Matrix: Solid
Analysis Batch: 110184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:23	05/15/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:23	05/15/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:23	05/15/25 11:15	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/15/25 08:23	05/15/25 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:23	05/15/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/15/25 08:23	05/15/25 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/15/25 08:23*	*05/15/25 11:15*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/15/25 08:23*	*05/15/25 11:15*	*1*

Lab Sample ID: LCS 880-110187/1-A
Matrix: Solid
Analysis Batch: 110184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110187

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08833		mg/Kg		88	70 - 130		
Toluene			0.100	0.09677		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1018		mg/Kg		102	70 - 130		
m,p-Xylenes			0.200	0.2046		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1025		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-110187/2-A
Matrix: Solid
Analysis Batch: 110184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110187

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08837		mg/Kg		88	70 - 130	0	35
Toluene			0.100	0.09547		mg/Kg		95	70 - 130	1	35
Ethylbenzene			0.100	0.1002		mg/Kg		100	70 - 130	2	35
m,p-Xylenes			0.200	0.2008		mg/Kg		100	70 - 130	2	35
o-Xylene			0.100	0.1009		mg/Kg		101	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-8159-A-1-E MS
Matrix: Solid
Analysis Batch: 110184

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 110187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08884		mg/Kg		89	70 - 130		
Toluene	<0.00200	U	0.100	0.09586		mg/Kg		96	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

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

Lab Sample ID: 890-8159-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110184 — **Prep Batch: 110187**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09975		mg/Kg		100	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1992		mg/Kg		100	70 - 130
o-Xylene	<0.00200	U	0.100	0.09961		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-8159-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110184 — **Prep Batch: 110187**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08555		mg/Kg		86	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.09178		mg/Kg		92	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.09572		mg/Kg		96	70 - 130	4	35
m,p-Xylenes	<0.00399	U	0.200	0.1913		mg/Kg		96	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.09554		mg/Kg		96	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-110116/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110221 — **Prep Batch: 110116**

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		05/14/25 11:12	05/15/25 07:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/25 11:12	05/15/25 07:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 11:12	05/15/25 07:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*05/14/25 11:12*	*05/15/25 07:47*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*05/14/25 11:12*	*05/15/25 07:47*	*1*

Lab Sample ID: LCS 880-110116/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 110221 — **Prep Batch: 110116**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	965.7		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1051		mg/Kg		105	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-110116/2-A
Matrix: Solid
Analysis Batch: 110221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110116

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-110116/3-A
Matrix: Solid
Analysis Batch: 110221

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110116

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	823.1		mg/Kg		82	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	896.5		mg/Kg		90	70 - 130	16	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	98		70 - 130

Lab Sample ID: 880-58112-A-29-C MS
Matrix: Solid
Analysis Batch: 110221

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 110116

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1000	973.6		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	1000	924.1		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	136	S1+	70 - 130
o-Terphenyl (Surr)	133	S1+	70 - 130

Lab Sample ID: 880-58112-A-29-D MSD
Matrix: Solid
Analysis Batch: 110221

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 110116

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	<49.7	U	1000	853.3		mg/Kg		85	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.7	U	1000	807.4		mg/Kg		79	70 - 130	13	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	118		70 - 130
o-Terphenyl (Surr)	118		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-110258/1-A
Matrix: Solid
Analysis Batch: 110306

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110258

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		05/15/25 14:39	05/16/25 08:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/25 14:39	05/16/25 08:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/25 14:39	05/16/25 08:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*144*	*S1+*	*70 - 130*	*05/15/25 14:39*	*05/16/25 08:02*	*1*
o-Terphenyl (Surr)	*138*	*S1+*	*70 - 130*	*05/15/25 14:39*	*05/16/25 08:02*	*1*

Lab Sample ID: LCS 880-110258/2-A
Matrix: Solid
Analysis Batch: 110306

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110258

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1020		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1144		mg/Kg		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*134*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*129*		*70 - 130*

Lab Sample ID: LCSD 880-110258/3-A
Matrix: Solid
Analysis Batch: 110306

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110258

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	977.7		mg/Kg		98	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1100		mg/Kg		110	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*129*		*70 - 130*
o-Terphenyl (Surr)	*125*		*70 - 130*

Lab Sample ID: 890-8161-6 MS
Matrix: Solid
Analysis Batch: 110306

Client Sample ID: SW - 20 (5.0')
Prep Type: Total/NA
Prep Batch: 110258

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	860.4		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	936.3		mg/Kg		94	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

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

Lab Sample ID: 890-8161-6 MS
Matrix: Solid
Analysis Batch: 110306

Client Sample ID: SW - 20 (5.0')
Prep Type: Total/NA
Prep Batch: 110258

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	112		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: 890-8161-6 MSD
Matrix: Solid
Analysis Batch: 110306

Client Sample ID: SW - 20 (5.0')
Prep Type: Total/NA
Prep Batch: 110258

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	<50.1	U	1000	739.6		mg/Kg		74	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	811.4		mg/Kg		81	70 - 130	14	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	96		70 - 130
o-Terphenyl (Surr)	98		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110220/1-A
Matrix: Solid
Analysis Batch: 110261

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			05/15/25 19:40	1

Lab Sample ID: LCS 880-110220/2-A
Matrix: Solid
Analysis Batch: 110261

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	259.6		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-110220/3-A
Matrix: Solid
Analysis Batch: 110261

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	259.5		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-8161-1 MS
Matrix: Solid
Analysis Batch: 110261

Client Sample ID: CS - 2 (5.25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	146		253	394.4		mg/Kg		98	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8161-1 MSD
Matrix: Solid
Analysis Batch: 110261

Client Sample ID: CS - 2 (5.25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	146		253	394.9		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

GC VOA

Analysis Batch: 110184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-1	CS - 2 (5.25')	Total/NA	Solid	8021B	110187
890-8161-2	CS - 5 (5.0')	Total/NA	Solid	8021B	110187
890-8161-3	SW - 17 (5.0')	Total/NA	Solid	8021B	110187
890-8161-4	SW - 18 (5.0')	Total/NA	Solid	8021B	110187
890-8161-5	SW - 19 (5.0')	Total/NA	Solid	8021B	110187
890-8161-6	SW - 20 (5.0')	Total/NA	Solid	8021B	110187
MB 880-110187/5-A	Method Blank	Total/NA	Solid	8021B	110187
LCS 880-110187/1-A	Lab Control Sample	Total/NA	Solid	8021B	110187
LCSD 880-110187/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110187
890-8159-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	110187
890-8159-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	110187

Prep Batch: 110187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-1	CS - 2 (5.25')	Total/NA	Solid	5035	
890-8161-2	CS - 5 (5.0')	Total/NA	Solid	5035	
890-8161-3	SW - 17 (5.0')	Total/NA	Solid	5035	
890-8161-4	SW - 18 (5.0')	Total/NA	Solid	5035	
890-8161-5	SW - 19 (5.0')	Total/NA	Solid	5035	
890-8161-6	SW - 20 (5.0')	Total/NA	Solid	5035	
MB 880-110187/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110187/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110187/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8159-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-8159-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 110336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-1	CS - 2 (5.25')	Total/NA	Solid	Total BTEX	
890-8161-2	CS - 5 (5.0')	Total/NA	Solid	Total BTEX	
890-8161-3	SW - 17 (5.0')	Total/NA	Solid	Total BTEX	
890-8161-4	SW - 18 (5.0')	Total/NA	Solid	Total BTEX	
890-8161-5	SW - 19 (5.0')	Total/NA	Solid	Total BTEX	
890-8161-6	SW - 20 (5.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 110116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-1	CS - 2 (5.25')	Total/NA	Solid	8015NM Prep	
890-8161-2	CS - 5 (5.0')	Total/NA	Solid	8015NM Prep	
890-8161-3	SW - 17 (5.0')	Total/NA	Solid	8015NM Prep	
890-8161-4	SW - 18 (5.0')	Total/NA	Solid	8015NM Prep	
890-8161-5	SW - 19 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-110116/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110116/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110116/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58112-A-29-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-58112-A-29-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

GC Semi VOA

Analysis Batch: 110221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-1	CS - 2 (5.25')	Total/NA	Solid	8015B NM	110116
890-8161-2	CS - 5 (5.0')	Total/NA	Solid	8015B NM	110116
890-8161-3	SW - 17 (5.0')	Total/NA	Solid	8015B NM	110116
890-8161-4	SW - 18 (5.0')	Total/NA	Solid	8015B NM	110116
890-8161-5	SW - 19 (5.0')	Total/NA	Solid	8015B NM	110116
MB 880-110116/1-A	Method Blank	Total/NA	Solid	8015B NM	110116
LCS 880-110116/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110116
LCSD 880-110116/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110116
880-58112-A-29-C MS	Matrix Spike	Total/NA	Solid	8015B NM	110116
880-58112-A-29-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	110116

Prep Batch: 110258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-6	SW - 20 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-110258/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110258/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110258/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8161-6 MS	SW - 20 (5.0')	Total/NA	Solid	8015NM Prep	
890-8161-6 MSD	SW - 20 (5.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-1	CS - 2 (5.25')	Total/NA	Solid	8015 NM	
890-8161-2	CS - 5 (5.0')	Total/NA	Solid	8015 NM	
890-8161-3	SW - 17 (5.0')	Total/NA	Solid	8015 NM	
890-8161-4	SW - 18 (5.0')	Total/NA	Solid	8015 NM	
890-8161-5	SW - 19 (5.0')	Total/NA	Solid	8015 NM	
890-8161-6	SW - 20 (5.0')	Total/NA	Solid	8015 NM	

Analysis Batch: 110306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-6	SW - 20 (5.0')	Total/NA	Solid	8015B NM	110258
MB 880-110258/1-A	Method Blank	Total/NA	Solid	8015B NM	110258
LCS 880-110258/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110258
LCSD 880-110258/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110258
890-8161-6 MS	SW - 20 (5.0')	Total/NA	Solid	8015B NM	110258
890-8161-6 MSD	SW - 20 (5.0')	Total/NA	Solid	8015B NM	110258

HPLC/IC

Leach Batch: 110220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-1	CS - 2 (5.25')	Soluble	Solid	DI Leach	
890-8161-2	CS - 5 (5.0')	Soluble	Solid	DI Leach	
890-8161-3	SW - 17 (5.0')	Soluble	Solid	DI Leach	
890-8161-4	SW - 18 (5.0')	Soluble	Solid	DI Leach	
890-8161-5	SW - 19 (5.0')	Soluble	Solid	DI Leach	
890-8161-6	SW - 20 (5.0')	Soluble	Solid	DI Leach	
MB 880-110220/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110220/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110220/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 110220 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-1 MS	CS - 2 (5.25')	Soluble	Solid	DI Leach	
890-8161-1 MSD	CS - 2 (5.25')	Soluble	Solid	DI Leach	

Analysis Batch: 110261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8161-1	CS - 2 (5.25')	Soluble	Solid	300.0	110220
890-8161-2	CS - 5 (5.0')	Soluble	Solid	300.0	110220
890-8161-3	SW - 17 (5.0')	Soluble	Solid	300.0	110220
890-8161-4	SW - 18 (5.0')	Soluble	Solid	300.0	110220
890-8161-5	SW - 19 (5.0')	Soluble	Solid	300.0	110220
890-8161-6	SW - 20 (5.0')	Soluble	Solid	300.0	110220
MB 880-110220/1-A	Method Blank	Soluble	Solid	300.0	110220
LCS 880-110220/2-A	Lab Control Sample	Soluble	Solid	300.0	110220
LCSD 880-110220/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110220
890-8161-1 MS	CS - 2 (5.25')	Soluble	Solid	300.0	110220
890-8161-1 MSD	CS - 2 (5.25')	Soluble	Solid	300.0	110220

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Client Sample ID: CS - 2 (5.25')
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

Lab Sample ID: 890-8161-1
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			4.95 g	5 mL	110187	05/15/25 08:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110184	05/15/25 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110336	05/15/25 17:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			110271	05/15/25 16:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110116	05/14/25 11:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110221	05/15/25 16:28	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	110220	05/15/25 10:57	SA	EET MID
Soluble	Analysis	300.0		1			110261	05/15/25 21:36	SMC	EET MID

Client Sample ID: CS - 5 (5.0')
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

Lab Sample ID: 890-8161-2
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			4.98 g	5 mL	110187	05/15/25 08:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110184	05/15/25 17:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110336	05/15/25 17:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			110271	05/15/25 16:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	110116	05/14/25 11:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110221	05/15/25 16:43	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	110220	05/15/25 10:57	SA	EET MID
Soluble	Analysis	300.0		1			110261	05/15/25 21:56	SMC	EET MID

Client Sample ID: SW - 17 (5.0')
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

Lab Sample ID: 890-8161-3
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			5.03 g	5 mL	110187	05/15/25 08:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110184	05/15/25 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110336	05/15/25 18:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			110271	05/15/25 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	110116	05/14/25 11:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110221	05/15/25 16:57	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110220	05/15/25 10:57	SA	EET MID
Soluble	Analysis	300.0		1			110261	05/15/25 22:03	SMC	EET MID

Client Sample ID: SW - 18 (5.0')
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

Lab Sample ID: 890-8161-4
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			5.01 g	5 mL	110187	05/15/25 08:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110184	05/15/25 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110336	05/15/25 18:37	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Client Sample ID: SW - 18 (5.0')

Lab Sample ID: 890-8161-4
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

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			110271	05/15/25 17:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110116	05/14/25 11:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110221	05/15/25 17:11	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	110220	05/15/25 10:57	SA	EET MID
Soluble	Analysis	300.0		1			110261	05/15/25 22:23	SMC	EET MID

Client Sample ID: SW - 19 (5.0')

Lab Sample ID: 890-8161-5
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

Prep 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	110187	05/15/25 08:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110184	05/15/25 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110336	05/15/25 18:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			110271	05/15/25 17:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110116	05/14/25 11:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110221	05/15/25 17:26	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110220	05/15/25 10:57	SA	EET MID
Soluble	Analysis	300.0		1			110261	05/15/25 22:30	SMC	EET MID

Client Sample ID: SW - 20 (5.0')

Lab Sample ID: 890-8161-6
Matrix: Solid
Date Collected: 05/14/25 00:00
Date Received: 05/14/25 15:03

Prep 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	110187	05/15/25 08:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110184	05/15/25 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110336	05/15/25 19:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			110271	05/16/25 11:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	110258	05/15/25 15:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110306	05/16/25 11:16	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110220	05/15/25 10:57	SA	EET MID
Soluble	Analysis	300.0		1			110261	05/15/25 22:37	SMC	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: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy 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: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy 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: HAYHURST PAD 10

Job ID: 890-8161-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8161-1	CS - 2 (5.25')	Solid	05/14/25 00:00	05/14/25 15:03
890-8161-2	CS - 5 (5.0')	Solid	05/14/25 00:00	05/14/25 15:03
890-8161-3	SW - 17 (5.0')	Solid	05/14/25 00:00	05/14/25 15:03
890-8161-4	SW - 18 (5.0')	Solid	05/14/25 00:00	05/14/25 15:03
890-8161-5	SW - 19 (5.0')	Solid	05/14/25 00:00	05/14/25 15:03
890-8161-6	SW - 20 (5.0')	Solid	05/14/25 00:00	05/14/25 15:03

Released to Imaging: 6/16/2025 9:10:05 AM
Received by OCD: 6/4/2025 9:31:28 AM

Chain of Custody

Work Order No: _____

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:	Hayhurst Pad 10	Turn Around	
Project Number:	2628	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	Standard TAT
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	TNMC07
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.6
Total Containers:		Corrected Temperature:	5.4

ANALYSIS REQUEST

890-8161 Chain of Custody

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	HOLD	Sample Comments
CS-2 (5.25')	5/14/2025		X		Comp	1		X	X	X		
CS-5 (5.0')	5/14/2025		X		Comp	1		X	X	X		
SW-17 (5.0')	5/14/2025		X		Comp	1		X	X	X		
SW-18 (5.0')	5/14/2025		X		Comp	1		X	X	X		
SW-19 (5.0')	5/14/2025		X		Comp	1		X	X	X		
SW-20 (5.0')	5/14/2025		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 Kevin Rogers		5/14 15:0	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8161-1
SDG Number: Eddy County NM

Login Number: 8161
List Number: 1
Creator: Bruns, Shannon

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: Carmona Resources

Job Number: 890-8161-1
SDG Number: Eddy County NM

Login Number: 8161
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/14/25 08:52 PM

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 5/20/2025 11:28:51 AM

JOB DESCRIPTION

HAYHURST PAD 10
2628

JOB NUMBER

890-8170-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/18/2025 9:10:05 AM

my EOL

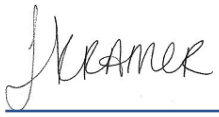
Eurofins Carlsbad

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
5/20/2025 11:28:51 AM

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

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Laboratory Job ID: 890-8170-1
SDG: 2628

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Definitions/Glossary

Client: Carmona Resources Job ID: 890-8170-1
Project/Site: HAYHURST PAD 10 SDG: 2628

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Carmona Resources
Project: HAYHURST PAD 10

Job ID: 890-8170-1

Job ID: 890-8170-1 Eurofins Carlsbad

Job Narrative
890-8170-1

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 5/16/2025 2:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 6 (5.0') (890-8170-1), SW - 21 (5.0') (890-8170-2), SW - 22 (5.0') (890-8170-3), SW - 23 (5.0') (890-8170-4) and SW - 24 (5.0') (890-8170-5).

GC VOA
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
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110432 and analytical batch 880-110439 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

Client Sample ID: CS - 6 (5.0')

Lab Sample ID: 890-8170-1
Matrix: Solid
Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

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		05/19/25 09:51	05/19/25 11:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/19/25 09:51	05/19/25 11:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/19/25 09:51	05/19/25 11:57	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/19/25 09:51	05/19/25 11:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/19/25 09:51	05/19/25 11:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/19/25 09:51	05/19/25 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*05/19/25 09:51*	*05/19/25 11:57*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/19/25 09:51*	*05/19/25 11:57*	*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			05/19/25 11:57	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			05/19/25 13:09	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		05/19/25 08:51	05/19/25 13:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/25 08:51	05/19/25 13:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/25 08:51	05/19/25 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*05/19/25 08:51*	*05/19/25 13:09*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*05/19/25 08:51*	*05/19/25 13:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.7**		9.96		mg/Kg			05/19/25 18:04	1

Client Sample ID: SW - 21 (5.0')

Lab Sample ID: 890-8170-2
Matrix: Solid
Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

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		05/19/25 09:51	05/19/25 12:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/19/25 09:51	05/19/25 12:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/19/25 09:51	05/19/25 12:18	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/19/25 09:51	05/19/25 12:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/19/25 09:51	05/19/25 12:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/19/25 09:51	05/19/25 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*05/19/25 09:51*	*05/19/25 12:18*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/19/25 09:51*	*05/19/25 12:18*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

Client Sample ID: SW - 21 (5.0')

Lab Sample ID: 890-8170-2
Matrix: Solid
Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

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			05/19/25 12:18	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			05/19/25 14:40	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		05/19/25 08:51	05/19/25 14:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/25 08:51	05/19/25 14:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/25 08:51	05/19/25 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*05/19/25 08:51*	*05/19/25 14:40*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*05/19/25 08:51*	*05/19/25 14:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		9.92		mg/Kg			05/19/25 18:25	1

Client Sample ID: SW - 22 (5.0')

Lab Sample ID: 890-8170-3
Matrix: Solid
Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

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		05/19/25 09:51	05/19/25 12:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/19/25 09:51	05/19/25 12:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/19/25 09:51	05/19/25 12:38	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/19/25 09:51	05/19/25 12:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/19/25 09:51	05/19/25 12:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/19/25 09:51	05/19/25 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/19/25 09:51*	*05/19/25 12:38*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/19/25 09:51*	*05/19/25 12:38*	*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			05/19/25 12:38	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			05/19/25 14:55	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		05/19/25 08:51	05/19/25 14:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/25 08:51	05/19/25 14:55	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

Client Sample ID: SW - 22 (5.0')

Lab Sample ID: 890-8170-3
Matrix: Solid
Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

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)	<50.0	U	50.0		mg/Kg		05/19/25 08:51	05/19/25 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*05/19/25 08:51*	*05/19/25 14:55*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*05/19/25 08:51*	*05/19/25 14:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**178**		10.0		mg/Kg			05/19/25 18:33	1

Client Sample ID: SW - 23 (5.0')

Lab Sample ID: 890-8170-4
Matrix: Solid
Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/19/25 09:51	05/19/25 12:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/19/25 09:51	05/19/25 12:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/19/25 09:51	05/19/25 12:58	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/19/25 09:51	05/19/25 12:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/19/25 09:51	05/19/25 12:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/19/25 09:51	05/19/25 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*05/19/25 09:51*	*05/19/25 12:58*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/19/25 09:51*	*05/19/25 12:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/19/25 12:58	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			05/19/25 15:10	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		05/19/25 08:51	05/19/25 15:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/19/25 08:51	05/19/25 15:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/19/25 08:51	05/19/25 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*05/19/25 08:51*	*05/19/25 15:10*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*05/19/25 08:51*	*05/19/25 15:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.4**		10.1		mg/Kg			05/19/25 18:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

Client Sample ID: SW - 24 (5.0')

Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

Lab Sample ID: 890-8170-5

Matrix: Solid

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		05/19/25 09:51	05/19/25 13:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/19/25 09:51	05/19/25 13:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/19/25 09:51	05/19/25 13:19	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/19/25 09:51	05/19/25 13:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/19/25 09:51	05/19/25 13:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/19/25 09:51	05/19/25 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*05/19/25 09:51*	*05/19/25 13:19*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/19/25 09:51*	*05/19/25 13:19*	*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			05/19/25 13:19	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			05/19/25 15:25	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		05/19/25 08:51	05/19/25 15:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/25 08:51	05/19/25 15:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/25 08:51	05/19/25 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*05/19/25 08:51*	*05/19/25 15:25*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*05/19/25 08:51*	*05/19/25 15:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.1**		9.94		mg/Kg			05/19/25 18:47	1

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

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)										
890-8170-1	CS - 6 (5.0')	89	103										
890-8170-1 MS	CS - 6 (5.0')	94	92										
890-8170-1 MSD	CS - 6 (5.0')	84	106										
890-8170-2	SW - 21 (5.0')	87	106										
890-8170-3	SW - 22 (5.0')	86	106										
890-8170-4	SW - 23 (5.0')	87	107										
890-8170-5	SW - 24 (5.0')	87	104										
LCS 880-110420/1-A	Lab Control Sample	96	103										
LCSD 880-110420/2-A	Lab Control Sample Dup	94	90										
MB 880-110420/5-A	Method Blank	72	110										

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)										
890-8170-1	CS - 6 (5.0')	113	113										
890-8170-1 MS	CS - 6 (5.0')	124	120										
890-8170-1 MSD	CS - 6 (5.0')	109	109										
890-8170-2	SW - 21 (5.0')	116	123										
890-8170-3	SW - 22 (5.0')	116	121										
890-8170-4	SW - 23 (5.0')	115	119										
890-8170-5	SW - 24 (5.0')	100	107										
LCS 880-110414/2-A	Lab Control Sample	79	77										
LCSD 880-110414/3-A	Lab Control Sample Dup	77	78										
MB 880-110414/1-A	Method Blank	101	103										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110420/5-A
Matrix: Solid
Analysis Batch: 110410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110420

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/19/25 09:51	05/19/25 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/19/25 09:51	05/19/25 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/19/25 09:51	05/19/25 11:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/19/25 09:51	05/19/25 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/19/25 09:51	05/19/25 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/19/25 09:51	05/19/25 11:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*05/19/25 09:51*	*05/19/25 11:35*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*05/19/25 09:51*	*05/19/25 11:35*	*1*

Lab Sample ID: LCS 880-110420/1-A
Matrix: Solid
Analysis Batch: 110410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09344		mg/Kg		93	70 - 130
Toluene	0.100	0.09022		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09280		mg/Kg		93	70 - 130
m,p-Xylenes	0.200	0.1941		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09589		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-110420/2-A
Matrix: Solid
Analysis Batch: 110410

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110420

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08977		mg/Kg		90	70 - 130	4	35
Toluene	0.100	0.08934		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.09383		mg/Kg		94	70 - 130	1	35
m,p-Xylenes	0.200	0.1974		mg/Kg		99	70 - 130	2	35
o-Xylene	0.100	0.09702		mg/Kg		97	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 890-8170-1 MS
Matrix: Solid
Analysis Batch: 110410

Client Sample ID: CS - 6 (5.0')
Prep Type: Total/NA
Prep Batch: 110420

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07944		mg/Kg		79	70 - 130
Toluene	<0.00200	U	0.100	0.07850		mg/Kg		79	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

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

Lab Sample ID: 890-8170-1 MS
Matrix: Solid
Analysis Batch: 110410

Client Sample ID: CS - 6 (5.0')
Prep Type: Total/NA
Prep Batch: 110420

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08144		mg/Kg		81	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1714		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U	0.100	0.08412		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-8170-1 MSD
Matrix: Solid
Analysis Batch: 110410

Client Sample ID: CS - 6 (5.0')
Prep Type: Total/NA
Prep Batch: 110420

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08692		mg/Kg		87	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08062		mg/Kg		81	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08009		mg/Kg		80	70 - 130	2	35
m,p-Xylenes	<0.00399	U	0.200	0.1654		mg/Kg		83	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.08059		mg/Kg		81	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

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

Lab Sample ID: MB 880-110414/1-A
Matrix: Solid
Analysis Batch: 110440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110414

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		05/19/25 08:50	05/19/25 10:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/25 08:50	05/19/25 10:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/25 08:50	05/19/25 10:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*05/19/25 08:50*	*05/19/25 10:20*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*05/19/25 08:50*	*05/19/25 10:20*	*1*

Lab Sample ID: LCS 880-110414/2-A
Matrix: Solid
Analysis Batch: 110440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110414

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1079		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	910.8		mg/Kg		91	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

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

Lab Sample ID: LCS 880-110414/2-A
Matrix: Solid
Analysis Batch: 110440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110414

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	79		70 - 130
o-Terphenyl (Surr)	77		70 - 130

Lab Sample ID: LCSD 880-110414/3-A
Matrix: Solid
Analysis Batch: 110440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110414

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1087		mg/Kg		109	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	933.5		mg/Kg		93	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	77		70 - 130
o-Terphenyl (Surr)	78		70 - 130

Lab Sample ID: 890-8170-1 MS
Matrix: Solid
Analysis Batch: 110440

Client Sample ID: CS - 6 (5.0')
Prep Type: Total/NA
Prep Batch: 110414

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	995	1002		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	916.0		mg/Kg		92	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	124		70 - 130
o-Terphenyl (Surr)	120		70 - 130

Lab Sample ID: 890-8170-1 MSD
Matrix: Solid
Analysis Batch: 110440

Client Sample ID: CS - 6 (5.0')
Prep Type: Total/NA
Prep Batch: 110414

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	995	873.7		mg/Kg		88	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	815.2		mg/Kg		82	70 - 130	12	20

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

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110432/1-A
Matrix: Solid
Analysis Batch: 110439

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			05/19/25 17:00	1

Lab Sample ID: LCS 880-110432/2-A
Matrix: Solid
Analysis Batch: 110439

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.7		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-110432/3-A
Matrix: Solid
Analysis Batch: 110439

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	264.8		mg/Kg		106	90 - 110	3	20

Lab Sample ID: 890-8172-A-2-D MS
Matrix: Solid
Analysis Batch: 110439

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	197	F1	249	471.7		mg/Kg		110	90 - 110		

Lab Sample ID: 890-8172-A-2-E MSD
Matrix: Solid
Analysis Batch: 110439

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	197	F1	249	472.6	F1	mg/Kg		111	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

GC VOA

Analysis Batch: 110410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8170-1	CS - 6 (5.0')	Total/NA	Solid	8021B	110420
890-8170-2	SW - 21 (5.0')	Total/NA	Solid	8021B	110420
890-8170-3	SW - 22 (5.0')	Total/NA	Solid	8021B	110420
890-8170-4	SW - 23 (5.0')	Total/NA	Solid	8021B	110420
890-8170-5	SW - 24 (5.0')	Total/NA	Solid	8021B	110420
MB 880-110420/5-A	Method Blank	Total/NA	Solid	8021B	110420
LCS 880-110420/1-A	Lab Control Sample	Total/NA	Solid	8021B	110420
LCSD 880-110420/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110420
890-8170-1 MS	CS - 6 (5.0')	Total/NA	Solid	8021B	110420
890-8170-1 MSD	CS - 6 (5.0')	Total/NA	Solid	8021B	110420

Prep Batch: 110420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8170-1	CS - 6 (5.0')	Total/NA	Solid	5035	
890-8170-2	SW - 21 (5.0')	Total/NA	Solid	5035	
890-8170-3	SW - 22 (5.0')	Total/NA	Solid	5035	
890-8170-4	SW - 23 (5.0')	Total/NA	Solid	5035	
890-8170-5	SW - 24 (5.0')	Total/NA	Solid	5035	
MB 880-110420/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110420/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110420/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8170-1 MS	CS - 6 (5.0')	Total/NA	Solid	5035	
890-8170-1 MSD	CS - 6 (5.0')	Total/NA	Solid	5035	

Analysis Batch: 110479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8170-1	CS - 6 (5.0')	Total/NA	Solid	Total BTEX	
890-8170-2	SW - 21 (5.0')	Total/NA	Solid	Total BTEX	
890-8170-3	SW - 22 (5.0')	Total/NA	Solid	Total BTEX	
890-8170-4	SW - 23 (5.0')	Total/NA	Solid	Total BTEX	
890-8170-5	SW - 24 (5.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 110414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8170-1	CS - 6 (5.0')	Total/NA	Solid	8015NM Prep	
890-8170-2	SW - 21 (5.0')	Total/NA	Solid	8015NM Prep	
890-8170-3	SW - 22 (5.0')	Total/NA	Solid	8015NM Prep	
890-8170-4	SW - 23 (5.0')	Total/NA	Solid	8015NM Prep	
890-8170-5	SW - 24 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-110414/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110414/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110414/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8170-1 MS	CS - 6 (5.0')	Total/NA	Solid	8015NM Prep	
890-8170-1 MSD	CS - 6 (5.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8170-1	CS - 6 (5.0')	Total/NA	Solid	8015B NM	110414
890-8170-2	SW - 21 (5.0')	Total/NA	Solid	8015B NM	110414

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

GC Semi VOA (Continued)

Analysis Batch: 110440 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8170-3	SW - 22 (5.0')	Total/NA	Solid	8015B NM	110414
890-8170-4	SW - 23 (5.0')	Total/NA	Solid	8015B NM	110414
890-8170-5	SW - 24 (5.0')	Total/NA	Solid	8015B NM	110414
MB 880-110414/1-A	Method Blank	Total/NA	Solid	8015B NM	110414
LCS 880-110414/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110414
LCSD 880-110414/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110414
890-8170-1 MS	CS - 6 (5.0')	Total/NA	Solid	8015B NM	110414
890-8170-1 MSD	CS - 6 (5.0')	Total/NA	Solid	8015B NM	110414

Analysis Batch: 110462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8170-1	CS - 6 (5.0')	Total/NA	Solid	8015 NM	
890-8170-2	SW - 21 (5.0')	Total/NA	Solid	8015 NM	
890-8170-3	SW - 22 (5.0')	Total/NA	Solid	8015 NM	
890-8170-4	SW - 23 (5.0')	Total/NA	Solid	8015 NM	
890-8170-5	SW - 24 (5.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 110432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8170-1	CS - 6 (5.0')	Soluble	Solid	DI Leach	
890-8170-2	SW - 21 (5.0')	Soluble	Solid	DI Leach	
890-8170-3	SW - 22 (5.0')	Soluble	Solid	DI Leach	
890-8170-4	SW - 23 (5.0')	Soluble	Solid	DI Leach	
890-8170-5	SW - 24 (5.0')	Soluble	Solid	DI Leach	
MB 880-110432/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110432/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110432/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8172-A-2-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8172-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 110439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8170-1	CS - 6 (5.0')	Soluble	Solid	300.0	110432
890-8170-2	SW - 21 (5.0')	Soluble	Solid	300.0	110432
890-8170-3	SW - 22 (5.0')	Soluble	Solid	300.0	110432
890-8170-4	SW - 23 (5.0')	Soluble	Solid	300.0	110432
890-8170-5	SW - 24 (5.0')	Soluble	Solid	300.0	110432
MB 880-110432/1-A	Method Blank	Soluble	Solid	300.0	110432
LCS 880-110432/2-A	Lab Control Sample	Soluble	Solid	300.0	110432
LCSD 880-110432/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110432
890-8172-A-2-D MS	Matrix Spike	Soluble	Solid	300.0	110432
890-8172-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	110432

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

Client Sample ID: CS - 6 (5.0')

Lab Sample ID: 890-8170-1
Matrix: Solid
Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

Prep 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	110420	05/19/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110410	05/19/25 11:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110479	05/19/25 11:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			110462	05/19/25 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 13:09	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	110439	05/19/25 18:04	CH	EET MID

Client Sample ID: SW - 21 (5.0')

Lab Sample ID: 890-8170-2
Matrix: Solid
Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

Prep 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	110420	05/19/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110410	05/19/25 12:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110479	05/19/25 12:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			110462	05/19/25 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 14:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	110439	05/19/25 18:25	CH	EET MID

Client Sample ID: SW - 22 (5.0')

Lab Sample ID: 890-8170-3
Matrix: Solid
Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

Prep 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	110420	05/19/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110410	05/19/25 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110479	05/19/25 12:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			110462	05/19/25 14:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 14:55	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	110439	05/19/25 18:33	CH	EET MID

Client Sample ID: SW - 23 (5.0')

Lab Sample ID: 890-8170-4
Matrix: Solid
Date Collected: 05/15/25 00:00
Date Received: 05/16/25 14:40

Prep 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	110420	05/19/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110410	05/19/25 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110479	05/19/25 12:58	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

Client Sample ID: SW - 23 (5.0')

Lab Sample ID: 890-8170-4

Date Collected: 05/15/25 00:00
Matrix: Solid
Date Received: 05/16/25 14:40

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			110462	05/19/25 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 15:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1			110439	05/19/25 18:40	CH	EET MID

Client Sample ID: SW - 24 (5.0')

Lab Sample ID: 890-8170-5

Date Collected: 05/15/25 00:00
Matrix: Solid
Date Received: 05/16/25 14:40

Prep 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	110420	05/19/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110410	05/19/25 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110479	05/19/25 13:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			110462	05/19/25 15:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 15:25	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	110439	05/19/25 18:47	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
Job ID: 890-8170-1
Project/Site: HAYHURST PAD 10
SDG: 2628

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: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

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: HAYHURST PAD 10

Job ID: 890-8170-1
SDG: 2628

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8170-1	CS - 6 (5.0')	Solid	05/15/25 00:00	05/16/25 14:40
890-8170-2	SW - 21 (5.0')	Solid	05/15/25 00:00	05/16/25 14:40
890-8170-3	SW - 22 (5.0')	Solid	05/15/25 00:00	05/16/25 14:40
890-8170-4	SW - 23 (5.0')	Solid	05/15/25 00:00	05/16/25 14:40
890-8170-5	SW - 24 (5.0')	Solid	05/15/25 00:00	05/16/25 14:40

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Chain of Custody

Work Order No: _____

5/20/2025

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:	Hayhurst Pad 10	Turn Around	
Project Number:	2628	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date:	72 Hr TAT
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR#007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.8
Total Containers:		Corrected Temperature:	-1.6

ANALYSIS REQUEST

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	Sample Comments
CS-6 (5.0')	5/15/2025		X		Comp	1		X	X	X	
SW-21 (5.0)	5/15/2025		X		Comp	1		X	X	X	
SW-22 (5.0')	5/15/2025		X		Comp	1		X	X	X	
SW-23 (5.0')	5/15/2025		X		Comp	1		X	X	X	
SW-24 (5.0')	5/15/2025		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		5-16-25 2:40	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

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Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8170-1
SDG Number: 2628

Login Number: 8170
List Number: 1
Creator: Bruns, Shannon

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: Carmona Resources

Job Number: 890-8170-1
SDG Number: 2628

Login Number: 8170
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/19/25 09:36 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: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 5/21/2025 3:59:10 PM

JOB DESCRIPTION

hayhurst pad 10
2628

JOB NUMBER

890-8185-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/18/2025 9:10:05 AM

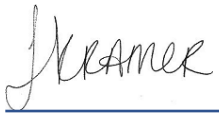
Eurofins Carlsbad

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



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5/21/2025 3:59:10 PM

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

Client: Carmona Resources
Project/Site: hayhurst pad 10

Laboratory Job ID: 890-8185-1
SDG: 2628

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Definitions/Glossary

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

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
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: Carmona Resources
Project: hayhurst pad 10

Job ID: 890-8185-1

Job ID: 890-8185-1 Eurofins Carlsbad

Job Narrative
890-8185-1

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 5/19/2025 4:50 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 10.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-7 (5.0) (890-8185-1), CS-8 (5.0) (890-8185-2), CS-9 (5.0) (890-8185-3), SW-25 (5.0) (890-8185-4), SW-26 (5.0) (890-8185-5), SW-27 (5.0) (890-8185-6), SW-28 (5.0) (890-8185-7) and SW-29 (5.0) (890-8185-8).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-7 (5.0) (890-8185-1), CS-8 (5.0) (890-8185-2), CS-9 (5.0) (890-8185-3), SW-25 (5.0) (890-8185-4), SW-26 (5.0) (890-8185-5), SW-27 (5.0) (890-8185-6), SW-28 (5.0) (890-8185-7), SW-29 (5.0) (890-8185-8), (LCS 880-110586/1-A), (LCSD 880-110586/2-A), (890-8185-A-1-E MS) and (890-8185-A-1-F 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 880-110586 and analytical batch 880-110570 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.

Diesel Range Organics
Method 8015MOD_NM: The method blank for preparation batch 880-110558 and analytical batch 880-110591 contained 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.

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 - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110569 and analytical batch 880-110576 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: CS-7 (5.0) (890-8185-1), CS-8 (5.0) (890-8185-2), CS-9 (5.0) (890-8185-3), SW-25 (5.0) (890-8185-4), SW-26 (5.0) (890-8185-5), SW-27 (5.0) (890-8185-6) and SW-28 (5.0) (890-8185-7).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110569 and analytical batch 880-110576 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: SW-29 (5.0) (890-8185-8), (890-8185-A-8-C MS) and (890-8185-A-8-D MSD).

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

Case Narrative

Client: Carmona Resources
Project: hayhurst pad 10

Job ID: 890-8185-1

Job ID: 890-8185-1 (Continued)

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Client Sample ID: CS-7 (5.0)

Lab Sample ID: 890-8185-1
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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		05/21/25 09:09	05/21/25 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/25 09:09	05/21/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/25 09:09	05/21/25 11:49	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/21/25 09:09	05/21/25 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/25 09:09	05/21/25 11:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/21/25 09:09	05/21/25 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*05/21/25 09:09*	*05/21/25 11:49*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/21/25 09:09*	*05/21/25 11:49*	*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			05/21/25 11:49	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			05/21/25 11:40	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		05/20/25 16:24	05/21/25 11:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/25 16:24	05/21/25 11:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/25 16:24	05/21/25 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*05/20/25 16:24*	*05/21/25 11:40*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*05/20/25 16:24*	*05/21/25 11:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.3**		9.94		mg/Kg			05/21/25 10:15	1

Client Sample ID: CS-8 (5.0)

Lab Sample ID: 890-8185-2
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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		05/21/25 09:09	05/21/25 12:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/25 09:09	05/21/25 12:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/25 09:09	05/21/25 12:09	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/21/25 09:09	05/21/25 12:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/25 09:09	05/21/25 12:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/25 09:09	05/21/25 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*05/21/25 09:09*	*05/21/25 12:09*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/21/25 09:09*	*05/21/25 12:09*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Client Sample ID: CS-8 (5.0)

Lab Sample ID: 890-8185-2
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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			05/21/25 12:09	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			05/21/25 13:24	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		05/20/25 16:24	05/21/25 13:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/20/25 16:24	05/21/25 13:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/25 16:24	05/21/25 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*05/20/25 16:24*	*05/21/25 13:24*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*05/20/25 16:24*	*05/21/25 13:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.7**		9.98		mg/Kg			05/21/25 10:22	1

Client Sample ID: CS-9 (5.0)

Lab Sample ID: 890-8185-3
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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		05/21/25 09:09	05/21/25 12:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/25 09:09	05/21/25 12:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/25 09:09	05/21/25 12:30	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/21/25 09:09	05/21/25 12:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/25 09:09	05/21/25 12:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/25 09:09	05/21/25 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*05/21/25 09:09*	*05/21/25 12:30*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/21/25 09:09*	*05/21/25 12:30*	*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			05/21/25 12:30	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			05/21/25 13:39	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		05/20/25 16:24	05/21/25 13:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/20/25 16:24	05/21/25 13:39	1

Client Sample Results

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Client Sample ID: CS-9 (5.0)

Lab Sample ID: 890-8185-3
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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)	<49.8	U	49.8		mg/Kg		05/20/25 16:24	05/21/25 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*05/20/25 16:24*	*05/21/25 13:39*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*05/20/25 16:24*	*05/21/25 13:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.8**		10.0		mg/Kg			05/21/25 10:43	1

Client Sample ID: SW-25 (5.0)

Lab Sample ID: 890-8185-4
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/21/25 09:09	05/21/25 12:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/21/25 09:09	05/21/25 12:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/21/25 09:09	05/21/25 12:50	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/21/25 09:09	05/21/25 12:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/21/25 09:09	05/21/25 12:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/21/25 09:09	05/21/25 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*05/21/25 09:09*	*05/21/25 12:50*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/21/25 09:09*	*05/21/25 12:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/21/25 12:50	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			05/21/25 13:54	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		05/20/25 16:24	05/21/25 13:54	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/20/25 16:24	05/21/25 13:54	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/20/25 16:24	05/21/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*05/20/25 16:24*	*05/21/25 13:54*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*05/20/25 16:24*	*05/21/25 13:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.1**		10.0		mg/Kg			05/21/25 10:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Client Sample ID: SW-26 (5.0)

Lab Sample ID: 890-8185-5
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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		05/21/25 09:09	05/21/25 13:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/25 09:09	05/21/25 13:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/25 09:09	05/21/25 13:11	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/21/25 09:09	05/21/25 13:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/25 09:09	05/21/25 13:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/25 09:09	05/21/25 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*05/21/25 09:09*	*05/21/25 13:11*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/21/25 09:09*	*05/21/25 13:11*	*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			05/21/25 13:11	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			05/21/25 14:10	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		05/20/25 16:24	05/21/25 14:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/25 16:24	05/21/25 14:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/25 16:24	05/21/25 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*05/20/25 16:24*	*05/21/25 14:10*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*05/20/25 16:24*	*05/21/25 14:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.5**		10.0		mg/Kg			05/21/25 10:57	1

Client Sample ID: SW-27 (5.0)

Lab Sample ID: 890-8185-6
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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		05/21/25 09:09	05/21/25 13:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/21/25 09:09	05/21/25 13:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/21/25 09:09	05/21/25 13:31	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		05/21/25 09:09	05/21/25 13:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/21/25 09:09	05/21/25 13:31	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/21/25 09:09	05/21/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*05/21/25 09:09*	*05/21/25 13:31*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/21/25 09:09*	*05/21/25 13:31*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Client Sample ID: SW-27 (5.0)

Lab Sample ID: 890-8185-6
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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			05/21/25 13:31	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			05/21/25 14:25	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		05/20/25 16:24	05/21/25 14:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/25 16:24	05/21/25 14:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/25 16:24	05/21/25 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*05/20/25 16:24*	*05/21/25 14:25*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*05/20/25 16:24*	*05/21/25 14:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.9**		9.96		mg/Kg			05/21/25 11:06	1

Client Sample ID: SW-28 (5.0)

Lab Sample ID: 890-8185-7
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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		05/21/25 09:09	05/21/25 13:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/25 09:09	05/21/25 13:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/25 09:09	05/21/25 13:51	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/21/25 09:09	05/21/25 13:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/25 09:09	05/21/25 13:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/25 09:09	05/21/25 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*05/21/25 09:09*	*05/21/25 13:51*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/21/25 09:09*	*05/21/25 13:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/21/25 13:51	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			05/21/25 14:55	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		05/20/25 16:24	05/21/25 14:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/20/25 16:24	05/21/25 14:55	1

Client Sample Results

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Client Sample ID: SW-28 (5.0)

Lab Sample ID: 890-8185-7
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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)	<49.8	U	49.8		mg/Kg		05/20/25 16:24	05/21/25 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*05/20/25 16:24*	*05/21/25 14:55*	*1*
o-Terphenyl (Surr)	*116*		*70 - 130*	*05/20/25 16:24*	*05/21/25 14:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.2**		9.94		mg/Kg			05/21/25 11:13	1

Client Sample ID: SW-29 (5.0)

Lab Sample ID: 890-8185-8
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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		05/21/25 09:09	05/21/25 14:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/21/25 09:09	05/21/25 14:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/21/25 09:09	05/21/25 14:12	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/21/25 09:09	05/21/25 14:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/21/25 09:09	05/21/25 14:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/21/25 09:09	05/21/25 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*05/21/25 09:09*	*05/21/25 14:12*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/21/25 09:09*	*05/21/25 14:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/21/25 14:12	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			05/21/25 15:10	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		05/20/25 16:24	05/21/25 15:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/20/25 16:24	05/21/25 15:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/25 16:24	05/21/25 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*05/20/25 16:24*	*05/21/25 15:10*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*05/20/25 16:24*	*05/21/25 15:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.4**	**F1**	9.92		mg/Kg			05/21/25 12:31	1

Surrogate Summary

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8185-1	CS-7 (5.0)	148 S1+	91
890-8185-1 MS	CS-7 (5.0)	135 S1+	94
890-8185-1 MSD	CS-7 (5.0)	148 S1+	90
890-8185-2	CS-8 (5.0)	146 S1+	89
890-8185-3	CS-9 (5.0)	144 S1+	89
890-8185-4	SW-25 (5.0)	145 S1+	91
890-8185-5	SW-26 (5.0)	145 S1+	91
890-8185-6	SW-27 (5.0)	148 S1+	88
890-8185-7	SW-28 (5.0)	142 S1+	91
890-8185-8	SW-29 (5.0)	144 S1+	88
LCS 880-110586/1-A	Lab Control Sample	138 S1+	94
LCSD 880-110586/2-A	Lab Control Sample Dup	134 S1+	95
MB 880-110586/5-A	Method Blank	135 S1+	84

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8185-1	CS-7 (5.0)	112	120
890-8185-1 MS	CS-7 (5.0)	118	119
890-8185-1 MSD	CS-7 (5.0)	120	121
890-8185-2	CS-8 (5.0)	112	121
890-8185-3	CS-9 (5.0)	118	120
890-8185-4	SW-25 (5.0)	110	119
890-8185-5	SW-26 (5.0)	111	120
890-8185-6	SW-27 (5.0)	111	118
890-8185-7	SW-28 (5.0)	109	116
890-8185-8	SW-29 (5.0)	114	122
LCS 880-110558/2-A	Lab Control Sample	124	125
LCSD 880-110558/3-A	Lab Control Sample Dup	118	116
MB 880-110558/1-A	Method Blank	119	128

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110586/5-A
Matrix: Solid
Analysis Batch: 110570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/25 09:09	05/21/25 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/25 09:09	05/21/25 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/25 09:09	05/21/25 11:27	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/21/25 09:09	05/21/25 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/25 09:09	05/21/25 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/25 09:09	05/21/25 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*05/21/25 09:09*	*05/21/25 11:27*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*05/21/25 09:09*	*05/21/25 11:27*	*1*

Lab Sample ID: LCS 880-110586/1-A
Matrix: Solid
Analysis Batch: 110570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110586

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1003		mg/Kg		100	70 - 130		
Toluene			0.100	0.1090		mg/Kg		109	70 - 130		
Ethylbenzene			0.100	0.1159		mg/Kg		116	70 - 130		
m,p-Xylenes			0.200	0.2297		mg/Kg		115	70 - 130		
o-Xylene			0.100	0.1151		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-110586/2-A
Matrix: Solid
Analysis Batch: 110570

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110586

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1020		mg/Kg		102	70 - 130	2	35
Toluene			0.100	0.1085		mg/Kg		109	70 - 130	0	35
Ethylbenzene			0.100	0.1125		mg/Kg		112	70 - 130	3	35
m,p-Xylenes			0.200	0.2221		mg/Kg		111	70 - 130	3	35
o-Xylene			0.100	0.1116		mg/Kg		112	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-8185-1 MS
Matrix: Solid
Analysis Batch: 110570

Client Sample ID: CS-7 (5.0)
Prep Type: Total/NA
Prep Batch: 110586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08958		mg/Kg		90	70 - 130		
Toluene	<0.00200	U	0.100	0.09133		mg/Kg		91	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

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

Lab Sample ID: 890-8185-1 MS
Matrix: Solid
Analysis Batch: 110570

Client Sample ID: CS-7 (5.0)
Prep Type: Total/NA
Prep Batch: 110586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08907		mg/Kg		89	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1744		mg/Kg		87	70 - 130
o-Xylene	<0.00200	U	0.100	0.08902		mg/Kg		89	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-8185-1 MSD
Matrix: Solid
Analysis Batch: 110570

Client Sample ID: CS-7 (5.0)
Prep Type: Total/NA
Prep Batch: 110586

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08853		mg/Kg		89	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.09809		mg/Kg		98	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.1042		mg/Kg		104	70 - 130	16	35
m,p-Xylenes	<0.00399	U	0.200	0.2083		mg/Kg		104	70 - 130	18	35
o-Xylene	<0.00200	U	0.100	0.1057		mg/Kg		106	70 - 130	17	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

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

Lab Sample ID: MB 880-110558/1-A
Matrix: Solid
Analysis Batch: 110591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 110558

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		05/20/25 16:23	05/21/25 08:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/25 16:23	05/21/25 08:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/25 16:23	05/21/25 08:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*05/20/25 16:23*	*05/21/25 08:07*	*1*
o-Terphenyl (Surr)	*128*		*70 - 130*	*05/20/25 16:23*	*05/21/25 08:07*	*1*

Lab Sample ID: LCS 880-110558/2-A
Matrix: Solid
Analysis Batch: 110591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110558

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1051		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	916.2		mg/Kg		92	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

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

Lab Sample ID: LCS 880-110558/2-A
Matrix: Solid
Analysis Batch: 110591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 110558

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	124		70 - 130
o-Terphenyl (Surr)	125		70 - 130

Lab Sample ID: LCSD 880-110558/3-A
Matrix: Solid
Analysis Batch: 110591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 110558

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1015		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	897.3		mg/Kg		90	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	118		70 - 130
o-Terphenyl (Surr)	116		70 - 130

Lab Sample ID: 890-8185-1 MS
Matrix: Solid
Analysis Batch: 110591

Client Sample ID: CS-7 (5.0)
Prep Type: Total/NA
Prep Batch: 110558

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	859.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	777.8		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	118		70 - 130
o-Terphenyl (Surr)	119		70 - 130

Lab Sample ID: 890-8185-1 MSD
Matrix: Solid
Analysis Batch: 110591

Client Sample ID: CS-7 (5.0)
Prep Type: Total/NA
Prep Batch: 110558

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	886.9		mg/Kg		89	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	846.2		mg/Kg		85	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	120		70 - 130
o-Terphenyl (Surr)	121		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110569/1-A
Matrix: Solid
Analysis Batch: 110576

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			05/21/25 09:18	1

Lab Sample ID: LCS 880-110569/2-A
Matrix: Solid
Analysis Batch: 110576

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.3		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-110569/3-A
Matrix: Solid
Analysis Batch: 110576

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	250.8		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-8185-8 MS
Matrix: Solid
Analysis Batch: 110576

Client Sample ID: SW-29 (5.0)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	67.4	F1	248	358.2	F1	mg/Kg		117	90 - 110		

Lab Sample ID: 890-8185-8 MSD
Matrix: Solid
Analysis Batch: 110576

Client Sample ID: SW-29 (5.0)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	67.4	F1	248	359.1	F1	mg/Kg		118	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

GC VOA

Analysis Batch: 110570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8185-1	CS-7 (5.0)	Total/NA	Solid	8021B	110586
890-8185-2	CS-8 (5.0)	Total/NA	Solid	8021B	110586
890-8185-3	CS-9 (5.0)	Total/NA	Solid	8021B	110586
890-8185-4	SW-25 (5.0)	Total/NA	Solid	8021B	110586
890-8185-5	SW-26 (5.0)	Total/NA	Solid	8021B	110586
890-8185-6	SW-27 (5.0)	Total/NA	Solid	8021B	110586
890-8185-7	SW-28 (5.0)	Total/NA	Solid	8021B	110586
890-8185-8	SW-29 (5.0)	Total/NA	Solid	8021B	110586
MB 880-110586/5-A	Method Blank	Total/NA	Solid	8021B	110586
LCS 880-110586/1-A	Lab Control Sample	Total/NA	Solid	8021B	110586
LCSD 880-110586/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110586
890-8185-1 MS	CS-7 (5.0)	Total/NA	Solid	8021B	110586
890-8185-1 MSD	CS-7 (5.0)	Total/NA	Solid	8021B	110586

Prep Batch: 110586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8185-1	CS-7 (5.0)	Total/NA	Solid	5035	
890-8185-2	CS-8 (5.0)	Total/NA	Solid	5035	
890-8185-3	CS-9 (5.0)	Total/NA	Solid	5035	
890-8185-4	SW-25 (5.0)	Total/NA	Solid	5035	
890-8185-5	SW-26 (5.0)	Total/NA	Solid	5035	
890-8185-6	SW-27 (5.0)	Total/NA	Solid	5035	
890-8185-7	SW-28 (5.0)	Total/NA	Solid	5035	
890-8185-8	SW-29 (5.0)	Total/NA	Solid	5035	
MB 880-110586/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110586/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110586/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8185-1 MS	CS-7 (5.0)	Total/NA	Solid	5035	
890-8185-1 MSD	CS-7 (5.0)	Total/NA	Solid	5035	

Analysis Batch: 110678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8185-1	CS-7 (5.0)	Total/NA	Solid	Total BTEX	
890-8185-2	CS-8 (5.0)	Total/NA	Solid	Total BTEX	
890-8185-3	CS-9 (5.0)	Total/NA	Solid	Total BTEX	
890-8185-4	SW-25 (5.0)	Total/NA	Solid	Total BTEX	
890-8185-5	SW-26 (5.0)	Total/NA	Solid	Total BTEX	
890-8185-6	SW-27 (5.0)	Total/NA	Solid	Total BTEX	
890-8185-7	SW-28 (5.0)	Total/NA	Solid	Total BTEX	
890-8185-8	SW-29 (5.0)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 110558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8185-1	CS-7 (5.0)	Total/NA	Solid	8015NM Prep	
890-8185-2	CS-8 (5.0)	Total/NA	Solid	8015NM Prep	
890-8185-3	CS-9 (5.0)	Total/NA	Solid	8015NM Prep	
890-8185-4	SW-25 (5.0)	Total/NA	Solid	8015NM Prep	
890-8185-5	SW-26 (5.0)	Total/NA	Solid	8015NM Prep	
890-8185-6	SW-27 (5.0)	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

GC Semi VOA (Continued)

Prep Batch: 110558 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8185-7	SW-28 (5.0)	Total/NA	Solid	8015NM Prep	
890-8185-8	SW-29 (5.0)	Total/NA	Solid	8015NM Prep	
MB 880-110558/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110558/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110558/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8185-1 MS	CS-7 (5.0)	Total/NA	Solid	8015NM Prep	
890-8185-1 MSD	CS-7 (5.0)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8185-1	CS-7 (5.0)	Total/NA	Solid	8015B NM	110558
890-8185-2	CS-8 (5.0)	Total/NA	Solid	8015B NM	110558
890-8185-3	CS-9 (5.0)	Total/NA	Solid	8015B NM	110558
890-8185-4	SW-25 (5.0)	Total/NA	Solid	8015B NM	110558
890-8185-5	SW-26 (5.0)	Total/NA	Solid	8015B NM	110558
890-8185-6	SW-27 (5.0)	Total/NA	Solid	8015B NM	110558
890-8185-7	SW-28 (5.0)	Total/NA	Solid	8015B NM	110558
890-8185-8	SW-29 (5.0)	Total/NA	Solid	8015B NM	110558
MB 880-110558/1-A	Method Blank	Total/NA	Solid	8015B NM	110558
LCS 880-110558/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110558
LCSD 880-110558/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110558
890-8185-1 MS	CS-7 (5.0)	Total/NA	Solid	8015B NM	110558
890-8185-1 MSD	CS-7 (5.0)	Total/NA	Solid	8015B NM	110558

Analysis Batch: 110671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8185-1	CS-7 (5.0)	Total/NA	Solid	8015 NM	
890-8185-2	CS-8 (5.0)	Total/NA	Solid	8015 NM	
890-8185-3	CS-9 (5.0)	Total/NA	Solid	8015 NM	
890-8185-4	SW-25 (5.0)	Total/NA	Solid	8015 NM	
890-8185-5	SW-26 (5.0)	Total/NA	Solid	8015 NM	
890-8185-6	SW-27 (5.0)	Total/NA	Solid	8015 NM	
890-8185-7	SW-28 (5.0)	Total/NA	Solid	8015 NM	
890-8185-8	SW-29 (5.0)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 110569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8185-1	CS-7 (5.0)	Soluble	Solid	DI Leach	
890-8185-2	CS-8 (5.0)	Soluble	Solid	DI Leach	
890-8185-3	CS-9 (5.0)	Soluble	Solid	DI Leach	
890-8185-4	SW-25 (5.0)	Soluble	Solid	DI Leach	
890-8185-5	SW-26 (5.0)	Soluble	Solid	DI Leach	
890-8185-6	SW-27 (5.0)	Soluble	Solid	DI Leach	
890-8185-7	SW-28 (5.0)	Soluble	Solid	DI Leach	
890-8185-8	SW-29 (5.0)	Soluble	Solid	DI Leach	
MB 880-110569/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110569/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110569/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8185-8 MS	SW-29 (5.0)	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

HPLC/IC (Continued)

Leach Batch: 110569 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8185-8 MSD	SW-29 (5.0)	Soluble	Solid	DI Leach	

Analysis Batch: 110576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8185-1	CS-7 (5.0)	Soluble	Solid	300.0	110569
890-8185-2	CS-8 (5.0)	Soluble	Solid	300.0	110569
890-8185-3	CS-9 (5.0)	Soluble	Solid	300.0	110569
890-8185-4	SW-25 (5.0)	Soluble	Solid	300.0	110569
890-8185-5	SW-26 (5.0)	Soluble	Solid	300.0	110569
890-8185-6	SW-27 (5.0)	Soluble	Solid	300.0	110569
890-8185-7	SW-28 (5.0)	Soluble	Solid	300.0	110569
890-8185-8	SW-29 (5.0)	Soluble	Solid	300.0	110569
MB 880-110569/1-A	Method Blank	Soluble	Solid	300.0	110569
LCS 880-110569/2-A	Lab Control Sample	Soluble	Solid	300.0	110569
LCSD 880-110569/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110569
890-8185-8 MS	SW-29 (5.0)	Soluble	Solid	300.0	110569
890-8185-8 MSD	SW-29 (5.0)	Soluble	Solid	300.0	110569

Lab Chronicle

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Client Sample ID: CS-7 (5.0)
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

Lab Sample ID: 890-8185-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	110586	05/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110570	05/21/25 11:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110678	05/21/25 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			110671	05/21/25 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	110558	05/20/25 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 11:40	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110569	05/21/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			110576	05/21/25 10:15	SMC	EET MID

Client Sample ID: CS-8 (5.0)
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

Lab Sample ID: 890-8185-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	110586	05/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110570	05/21/25 12:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110678	05/21/25 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			110671	05/21/25 13:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	110558	05/20/25 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 13:24	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	110569	05/21/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			110576	05/21/25 10:22	SMC	EET MID

Client Sample ID: CS-9 (5.0)
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

Lab Sample ID: 890-8185-3
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			4.98 g	5 mL	110586	05/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110570	05/21/25 12:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110678	05/21/25 12:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			110671	05/21/25 13:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110558	05/20/25 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 13:39	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	110569	05/21/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			110576	05/21/25 10:43	SMC	EET MID

Client Sample ID: SW-25 (5.0)
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

Lab Sample ID: 890-8185-4
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			4.95 g	5 mL	110586	05/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110570	05/21/25 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110678	05/21/25 12:50	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Client Sample ID: SW-25 (5.0)

Lab Sample ID: 890-8185-4
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

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			110671	05/21/25 13:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	110558	05/20/25 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 13:54	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110569	05/21/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			110576	05/21/25 10:50	SMC	EET MID

Client Sample ID: SW-26 (5.0)

Lab Sample ID: 890-8185-5
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

Prep 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	110586	05/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110570	05/21/25 13:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110678	05/21/25 13:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			110671	05/21/25 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	110558	05/20/25 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 14:10	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	110569	05/21/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			110576	05/21/25 10:57	SMC	EET MID

Client Sample ID: SW-27 (5.0)

Lab Sample ID: 890-8185-6
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

Prep 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	110586	05/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110570	05/21/25 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110678	05/21/25 13:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			110671	05/21/25 14:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110558	05/20/25 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 14:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110569	05/21/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			110576	05/21/25 11:06	SMC	EET MID

Client Sample ID: SW-28 (5.0)

Lab Sample ID: 890-8185-7
Matrix: Solid
Date Collected: 05/19/25 00:00
Date Received: 05/19/25 16:50

Prep 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	110586	05/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110570	05/21/25 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110678	05/21/25 13:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			110671	05/21/25 14:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110558	05/20/25 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 14:55	TKC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Client Sample ID: SW-28 (5.0)

Lab Sample ID: 890-8185-7

Date Collected: 05/19/25 00:00
Matrix: Solid
Date Received: 05/19/25 16:50

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	110569	05/21/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			110576	05/21/25 11:13	SMC	EET MID

Client Sample ID: SW-29 (5.0)

Lab Sample ID: 890-8185-8

Date Collected: 05/19/25 00:00
Matrix: Solid
Date Received: 05/19/25 16:50

Prep 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	110586	05/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110570	05/21/25 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110678	05/21/25 14:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			110671	05/21/25 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110558	05/20/25 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110591	05/21/25 15:10	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110569	05/21/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			110576	05/21/25 12:31	SMC	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
Job ID: 890-8185-1
Project/Site: hayhurst pad 10
SDG: 2628

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: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

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: hayhurst pad 10

Job ID: 890-8185-1
SDG: 2628

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8185-1	CS-7 (5.0)	Solid	05/19/25 00:00	05/19/25 16:50
890-8185-2	CS-8 (5.0)	Solid	05/19/25 00:00	05/19/25 16:50
890-8185-3	CS-9 (5.0)	Solid	05/19/25 00:00	05/19/25 16:50
890-8185-4	SW-25 (5.0)	Solid	05/19/25 00:00	05/19/25 16:50
890-8185-5	SW-26 (5.0)	Solid	05/19/25 00:00	05/19/25 16:50
890-8185-6	SW-27 (5.0)	Solid	05/19/25 00:00	05/19/25 16:50
890-8185-7	SW-28 (5.0)	Solid	05/19/25 00:00	05/19/25 16:50
890-8185-8	SW-29 (5.0)	Solid	05/19/25 00:00	05/19/25 16:50

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Chain of Custody

Work C

890-8185 Chain of Custody

5/21/2025

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:	Hayhurst Pad 10	Turn Around	☐ Routine ☑ Rush
Project Number:	2628	Due Date:	72 Hr TAT
Project Location	Eddy Co, NM		
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	TNN007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	10.8
Total Containers:		Corrected Temperature:	10.6

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-7 (5.0')	5/19/2025		X		Comp	1		X	X	X		
CS-8 (5.0')	5/19/2025		X		Comp	1		X	X	X		
CS-9 (5.0')	5/19/2025		X		Comp	1		X	X	X		
SW-25 (5.0')	5/19/2025		X		Comp	1		X	X	X		
SW-26 (5.0')	5/19/2025		X		Comp	1		X	X	X		
SW-27 (5.0')	5/19/2025		X		Comp	1		X	X	X		
SW-28 (5.0')	5/19/2025		X		Comp	1		X	X	X		
SW-29 (5.0')	5/19/2025		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		5-19-25 1450	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020 1

Page 27 of 29

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8185-1
SDG Number: 2628

Login Number: 8185
List Number: 1
Creator: Lopez, Abraham

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: Carmona Resources

Job Number: 890-8185-1
SDG Number: 2628

Login Number: 8185
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/21/25 07:59 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	

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 23, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: HAYHURST PAD 10

Enclosed are the results of analyses for samples received by the laboratory on 05/22/25 9:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/22/2025	Sampling Date:	05/21/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 10 (5.0') (H253072-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	2.21	110	2.00	3.62	
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/23/2025	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane *91.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.4 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/22/2025	Sampling Date:	05/21/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 11 (5.0') (H253072-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	2.21	110	2.00	3.62	
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/23/2025	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane *86.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *87.1 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/22/2025	Sampling Date:	05/21/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 12 (5.0') (H253072-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	2.21	110	2.00	3.62	
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/23/2025	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane *95.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.2 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/22/2025	Sampling Date:	05/21/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 30 (5.0') (H253072-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	2.21	110	2.00	3.62	
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/23/2025	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane *90.5 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.4 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/22/2025	Sampling Date:	05/21/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 31 (5.0') (H253072-05)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	2.21	110	2.00	3.62	
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/23/2025	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	**12.5**	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	**15.4**	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane *83.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *83.1 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/22/2025	Sampling Date:	05/21/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 32 (5.0') (H253072-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	2.21	110	2.00	3.62	
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/23/2025	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane *91.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *93.6 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/22/2025	Sampling Date:	05/21/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 33 (5.0') (H253072-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	2.21	110	2.00	3.62	
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/23/2025	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane *96.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.2 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/22/2025	Sampling Date:	05/21/2025
Reported:	05/23/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 34 (5.0') (H253072-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	2.21	110	2.00	3.62	
Toluene*	<0.050	0.050	05/22/2025	ND	2.23	111	2.00	3.73	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.17	108	2.00	3.45	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.38	106	6.00	3.65	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/23/2025	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	185	92.6	200	0.540	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	182	90.9	200	5.18	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane *94.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *97.0 %* *40.6-153*

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 803 of 1057

Chain of Custody

Work Order No: H253072

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:	Hayhurst Pad 10	Turn Around	☐ Routine ☑ Rush
Project Number:	2628	Due Date:	24 Hr TAT
Project Location	Eddy Co, NM		
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.3°C
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-3.4°C
Total Containers:		Corrected Temperature:	-3.1°C

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
CS-10 (5.0')	5/21/2025		X		Comp	1		X	X	X		
CS-11 (5.0')	5/21/2025		X		Comp	1		X	X	X		
CS-12 (5.0')	5/21/2025		X		Comp	1		X	X	X		
SW-30 (5.0')	5/21/2025		X		Comp	1		X	X	X		
SW-31 (5.0')	5/21/2025		X		Comp	1		X	X	X		
SW-32 (5.0')	5/21/2025		X		Comp	1		X	X	X		
SW-33 (5.0')	5/21/2025		X		Comp	1		X	X	X		
SW-34 (5.0')	5/21/2025		X		Comp	1		X	X	X		

1 2 3 4 5 6 7 8

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	Tamara Rodriguez	5-22-25 0914	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 27, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: HAYHURST PAD 10

Enclosed are the results of analyses for samples received by the laboratory on 05/23/25 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS- 13 (5.0') (H253124-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/27/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	196	98.2	200	0.438	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.5	200	0.901	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *94.2 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.6 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS- 14 (5.0') (H253124-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/27/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	196	98.2	200	0.438	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.5	200	0.901	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *94.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.9 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS- 15 (5.0') (H253124-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	196	98.2	200	0.438	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.5	200	0.901	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *91.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *92.4 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS- 16 (5.0') (H253124-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	196	98.2	200	0.438	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.5	200	0.901	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *92.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *94.7 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS- 17 (5.0') (H253124-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	196	98.2	200	0.438	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.5	200	0.901	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *98.7 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW- 35 (5.0') (H253124-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/27/2025	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	196	98.2	200	0.438	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.5	200	0.901	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *97.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *99.6 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW- 36 (5.0') (H253124-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/27/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	196	98.2	200	0.438	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.5	200	0.901	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *97.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW- 37 (5.0') (H253124-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/27/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	207	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.7	200	0.909	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *104 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW- 38 (5.0') (H253124-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/27/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	207	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.7	200	0.909	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *103 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW- 39 (5.0') (H253124-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/27/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	207	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.7	200	0.909	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *101 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW- 40 (5.0') (H253124-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/27/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	207	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.7	200	0.909	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *102 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW- 41 (5.0') (H253124-12)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/27/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	207	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.7	200	0.909	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *99.6 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *95.6 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW- 42 (5.0') (H253124-13)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/23/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/23/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/23/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/27/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	196	98.2	200	0.438	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.5	200	0.901	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *96.4 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *98.2 %* *40.6-153*

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Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW- 43 (5.0') (H253124-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/24/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/24/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/24/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/27/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	196	98.2	200	0.438	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.5	200	0.901	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *94.0 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *96.3 %* *40.6-153*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	05/23/2025	Sampling Date:	05/23/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	HAYHURST PAD 10	Sampling Condition:	Cool & Intact
Project Number:	2628	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW- 44 (5.0') (H253124-15)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2025	ND	2.06	103	2.00	4.86	
Toluene*	<0.050	0.050	05/24/2025	ND	2.19	109	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/24/2025	ND	2.02	101	2.00	3.33	
Total Xylenes*	<0.150	0.150	05/24/2025	ND	6.05	101	6.00	2.62	
Total BTEX	<0.300	0.300	05/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2025	ND	196	98.2	200	0.438	
DRO >C10-C28*	<10.0	10.0	05/27/2025	ND	191	95.5	200	0.901	
EXT DRO >C28-C36	<10.0	10.0	05/27/2025	ND					

Surrogate: 1-Chlorooctane *88.3 %* *44.4-145*

Surrogate: 1-Chlorooctadecane *90.2 %* *40.6-153*

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Chain of Custody

Work Order No: H253624

Page 1 of 2

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:	Hayhurst Pad 10	Turn Around	☐ Routine ☑ Rush
Project Number:	2628	Due Date:	24 Hr TAT
Project Location	Eddy Co, NM		
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	+0.3 °c
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.1
Total Containers:		Corrected Temperature:	5.4

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
CS-13 (5.0')	5/23/2025		X		Comp	1		X	X	X		
CS-14 (5.0')	5/23/2025		X		Comp	1		X	X	X		
CS-15 (5.0')	5/23/2025		X		Comp	1		X	X	X		
CS-16 (5.0')	5/23/2025		X		Comp	1		X	X	X		
CS-17 (5.0')	5/23/2025		X		Comp	1		X	X	X		
SW-35 (5.0')	5/23/2025		X		Comp	1		X	X	X		
SW-36 (5.0')	5/23/2025		X		Comp	1		X	X	X		
SW-37 (5.0')	5/23/2025		X		Comp	1		X	X	X		
SW-38 (5.0')	5/23/2025		X		Comp	1		X	X	X		
SW-39 (5.0')	5/23/2025		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		5-23-25 1430	4		
3			6		
5					

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

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Chain of Custody

Work Order No: H253124

Page 2 of 2

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:	Hayhurst Pad 10	Turn Around	☐ Routine ☑ Rush
Project Number:	2628	Due Date:	24 Hr TAT
Project Location	Eddy Co, NM		
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	#140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	+ 0.3 °c
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.1
Total Containers:		Corrected Temperature:	5.4

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
11	SW-40 (5.0')	5/23/2025		X		Comp	1		X	X	X		
12	SW-41 (5.0')	5/23/2025		X		Comp	1		X	X	X		
13	SW-42 (5.0')	5/23/2025		X		Comp	1		X	X	X		
14	SW-43 (5.0')	5/23/2025		X		Comp	1		X	X	X		
15	SW-44 (5.0')	5/23/2025		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	Tamara Alldaffer	5-23-25 1430	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/12/2025 11:08:55 AM

JOB DESCRIPTION

HAYHURST PAD 10
2628

JOB NUMBER

890-8140-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/16/2025 9:10:05 AM

my EOL

Eurofins Carlsbad

Job Notes

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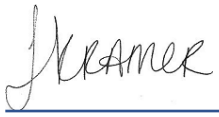
Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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5/12/2025 11:08:55 AM

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

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Laboratory Job ID: 890-8140-1
SDG: 2628

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Definitions/Glossary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: HAYHURST PAD 10

Job ID: 890-8140-1

Job ID: 890-8140-1 Eurofins Carlsbad

Job Narrative
890-8140-1

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 5/8/2025 3:00 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 -1.0°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: BACKFILL (890-8140-1).

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: Surrogate recovery for the following sample was outside control limits: (LCS 880-109762/2-A). 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 880-109762 and analytical batch 880-109866 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

Client Sample ID: BACKFILL

Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

Lab Sample ID: 890-8140-1

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		05/09/25 08:58	05/09/25 18:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 18:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 18:43	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/09/25 08:58	05/09/25 18:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 18:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/25 08:58	05/09/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/09/25 08:58*	*05/09/25 18:43*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/25 08:58*	*05/09/25 18:43*	*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			05/09/25 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/09/25 20:24	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	<50.1	U	50.1		mg/Kg		05/09/25 08:12	05/09/25 20:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		05/09/25 08:12	05/09/25 20:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/09/25 08:12	05/09/25 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*05/09/25 08:12*	*05/09/25 20:24*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*05/09/25 08:12*	*05/09/25 20:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		9.92		mg/Kg			05/09/25 12:46	1

Surrogate Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

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)
880-56959-A-20-A MB	Method Blank	95	111
890-8138-A-2-B MS	Matrix Spike	94	103
890-8138-A-2-C MSD	Matrix Spike Duplicate	96	105
890-8140-1	BACKFILL	92	104
LCS 880-109769/1-A	Lab Control Sample	94	102
LCSD 880-109769/2-A	Lab Control Sample Dup	93	110
MB 880-109769/5-A	Method Blank	91	91

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8140-1	BACKFILL	91	92
890-8140-1 MS	BACKFILL	104	94
890-8140-1 MSD	BACKFILL	104	93
LCS 880-109762/2-A	Lab Control Sample	130	137 S1+
LCSD 880-109762/3-A	Lab Control Sample Dup	126	114
MB 880-109762/1-A	Method Blank	84	83

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-56959-A-20-A MB
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 16:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 16:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 16:55	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/09/25 08:58	05/09/25 16:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 16:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/25 08:58	05/09/25 16:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/09/25 08:58*	*05/09/25 16:55*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*05/09/25 08:58*	*05/09/25 16:55*	*1*

Lab Sample ID: MB 880-109769/5-A
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 11:28	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/09/25 08:58	05/09/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/25 08:58	05/09/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/25 08:58	05/09/25 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/09/25 08:58*	*05/09/25 11:28*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/09/25 08:58*	*05/09/25 11:28*	*1*

Lab Sample ID: LCS 880-109769/1-A
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109769

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1059		mg/Kg		106	70 - 130		
Toluene			0.100	0.09472		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.1032		mg/Kg		103	70 - 130		
m,p-Xylenes			0.200	0.2031		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1009		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-109769/2-A
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109769

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1136		mg/Kg		114	70 - 130	7	35

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

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

Lab Sample ID: LCSD 880-109769/2-A
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109769

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09625		mg/Kg		96	70 - 130	2	35
Ethylbenzene			0.100	0.1038		mg/Kg		104	70 - 130	1	35
m,p-Xylenes			0.200	0.1986		mg/Kg		99	70 - 130	2	35
o-Xylene			0.100	0.09856		mg/Kg		99	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 890-8138-A-2-B MS
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 109769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09869		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.08513		mg/Kg		85	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08998		mg/Kg		90	70 - 130
m,p-Xylenes	<0.00400	U	0.200	0.1751		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.100	0.08598		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-8138-A-2-C MSD
Matrix: Solid
Analysis Batch: 109766

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 109769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09964		mg/Kg		100	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.08760		mg/Kg		88	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08969		mg/Kg		90	70 - 130	0	35
m,p-Xylenes	<0.00400	U	0.200	0.1751		mg/Kg		88	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.08700		mg/Kg		87	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 880-109762/1-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109762

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		05/09/25 08:12	05/09/25 18:57	1

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

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

Lab Sample ID: MB 880-109762/1-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109762

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/25 08:12	05/09/25 18:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/25 08:12	05/09/25 18:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*05/09/25 08:12*	*05/09/25 18:57*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*05/09/25 08:12*	*05/09/25 18:57*	*1*

Lab Sample ID: LCS 880-109762/2-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1006		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1164		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*130*		*70 - 130*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-109762/3-A
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109762

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	825.7		mg/Kg		83	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	898.1	*1	mg/Kg		90	70 - 130	26	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*126*		*70 - 130*
o-Terphenyl (Surr)	*114*		*70 - 130*

Lab Sample ID: 890-8140-1 MS
Matrix: Solid
Analysis Batch: 109866

Client Sample ID: BACKFILL
Prep Type: Total/NA
Prep Batch: 109762

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	1000		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U *1	999	1042		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*94*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

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

Lab Sample ID: 890-8140-1 MSD — **Client Sample ID: BACKFILL**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 109866 — **Prep Batch: 109762**

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	<50.1	U	999	996.1		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.1	U *1	999	1032		mg/Kg		103	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*93*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109770/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 109774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/09/25 11:39	1

Lab Sample ID: LCS 880-109770/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 109774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-109770/3-B — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 109774

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-57947-A-1-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 109774

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	92.1		252	347.9		mg/Kg		102	90 - 110

Lab Sample ID: 880-57947-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 109774

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	92.1		252	348.1		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

GC VOA

Analysis Batch: 109766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8140-1	BACKFILL	Total/NA	Solid	8021B	109769
880-56959-A-20-A MB	Method Blank	Total/NA	Solid	8021B	109769
MB 880-109769/5-A	Method Blank	Total/NA	Solid	8021B	109769
LCS 880-109769/1-A	Lab Control Sample	Total/NA	Solid	8021B	109769
LCSD 880-109769/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109769
890-8138-A-2-B MS	Matrix Spike	Total/NA	Solid	8021B	109769
890-8138-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	109769

Prep Batch: 109769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8140-1	BACKFILL	Total/NA	Solid	5035	
880-56959-A-20-A MB	Method Blank	Total/NA	Solid	5035	
MB 880-109769/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109769/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109769/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8138-A-2-B MS	Matrix Spike	Total/NA	Solid	5035	
890-8138-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 109972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8140-1	BACKFILL	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 109762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8140-1	BACKFILL	Total/NA	Solid	8015NM Prep	
MB 880-109762/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109762/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8140-1 MS	BACKFILL	Total/NA	Solid	8015NM Prep	
890-8140-1 MSD	BACKFILL	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8140-1	BACKFILL	Total/NA	Solid	8015B NM	109762
MB 880-109762/1-A	Method Blank	Total/NA	Solid	8015B NM	109762
LCS 880-109762/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109762
LCSD 880-109762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109762
890-8140-1 MS	BACKFILL	Total/NA	Solid	8015B NM	109762
890-8140-1 MSD	BACKFILL	Total/NA	Solid	8015B NM	109762

Analysis Batch: 109944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8140-1	BACKFILL	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 109770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8140-1	BACKFILL	Soluble	Solid	DI Leach	
MB 880-109770/1-B	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

HPLC/IC (Continued)

Leach Batch: 109770 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-109770/2-B	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109770/3-B	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-57947-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-57947-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 109774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8140-1	BACKFILL	Soluble	Solid	300.0	109770
MB 880-109770/1-B	Method Blank	Soluble	Solid	300.0	109770
LCS 880-109770/2-B	Lab Control Sample	Soluble	Solid	300.0	109770
LCSD 880-109770/3-B	Lab Control Sample Dup	Soluble	Solid	300.0	109770
880-57947-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	109770
880-57947-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	109770

Lab Chronicle

Client: Carmona Resources
Project/Site: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

Client Sample ID: BACKFILL

Date Collected: 05/08/25 00:00
Date Received: 05/08/25 15:00

Lab Sample ID: 890-8140-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	109769	05/09/25 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109766	05/09/25 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109972	05/09/25 18:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			109944	05/09/25 20:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	109762	05/09/25 08:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109866	05/09/25 20:24	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109770	05/09/25 08:59	SA	EET MID
Soluble	Analysis	300.0		1			109774	05/09/25 12:46	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
Job ID: 890-8140-1
Project/Site: HAYHURST PAD 10
SDG: 2628

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: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

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: HAYHURST PAD 10

Job ID: 890-8140-1
SDG: 2628

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8140-1	BACKFILL	Solid	05/08/25 00:00	05/08/25 15:00

Page 840 of 1057

Chain of Custody

Work Order No:

5/12/2025

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:	Hayhurst Pad 10	Turn Around	
Project Number:	2628	☑ Routine ☐ Rush	
Project Location	Eddy Co, NM	Due Date:	Normal
~~Sampler's Name:~~	KR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	TNMC07
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.2
Total Containers:		Corrected Temperature:	-1.0

ANALYSIS REQUEST

890-8140 Chain of Custody

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	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0										HOLD	Sample Comments
Backfill	5/8/2025		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		5/8/25 3:00	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8140-1
SDG Number: 2628

Login Number: 8140
List Number: 1
Creator: Bruns, Shannon

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: Carmona Resources

Job Number: 890-8140-1
SDG Number: 2628

Login Number: 8140
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/09/25 08:24 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	

APPENDIX F

CARMONA RESOURCES

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

October 14, 2024

#hayhurst _env_22

Mark Andersen
Permian Asset HSEQ Manager
TETRA Technologies Inc./Swiftwater Inc.
2401 N. CR 1287 Midland,TX 79701
Phone: 432.234.0179

SUBJECT: Closure Report for the HAYHURST PAD 10 Release (NAPP2211730678) Eddy County, New Mexico

Dear Mr. Anderson,

On behalf of Atkins Engineering Associates INC. (AEA) has prepared this Closure Report for release NAPP2211730678 at facility fMLB1702342252. This report summarizes the remediation activities of the release of liquids related to oil and gas production activities at the HAYHURST PAD 10. Unit I and O, Section 26, Township 25 South, Range 27 East, Eddy County, New Mexico.

Table 1 summarizes release information and Site Criteria.

Table 1: Release Information and Closure Criteria			
Name	HAYHURST PAD 10	Company	Chevron U.S.A., Inc
Faci Number	fMLB1702342252	Location	32.094581,-104.154458
Incident Number	NAPP2211730678		
Estimated Date of Release	4/12/22	Date Reported to NMOCD	4/27/22
Landowner	Federal	Reported To	NMOCD District 2
Source of Release	Tetra had a pressure spike during pump operations, and then discovered that a layflat head had separated, allowing a volume of produced water to spill until crews could shut down, clamp, and make repairs on the connection		
Released Volume	566 bbls	Released Material	Produced Water
Recovered Volume	0 bbls	Net Release	566 bbls
NMOCD Closure Criteria	51-100 feet to groundwater data		
AEA Response Dates	See appendix		

1.0 Background

On April 12, 2022, a release of produced water occurred at Chevron's Hayhurst Pad 10 due to a pressure spike causing a layflat head to separate. Approximately 566 barrels of produced water were released, and visible surface impact included approximately 2,700 feet in length and averaging 20 feet in width. Crews were able to quickly shut down operations, clamp the hose, and make repairs to the connection. Initial response activities were conducted by the operator, and included source elimination by means of repair and immediate site stabilization and release recovery. Figure 1 illustrates the vicinity and site location. The C-141 forms are included in Appendix A.

Release delineation activities were conducted from August 8 through 11, 2022, which included utilizing hand tools and a trackhoe to advance test holes in proximity of the release path to determine the horizontal and vertical extents of the release. Release delineation activities are covered in the previously submitted Characterization and Remediation Plan August 24, 2022.

NMOCD rejected the previously submitted Site Assessment and Remediation Work plan on April 18, 2023. *NMOCD Environmental staff commented,* "Remediation Plan Denied. Soil blending is not allowed. The use of SA2000 requires a meeting with OCD to discuss proper procedures and protocols."

Because the denial was based on the remedial method and not the Site assessment performed AEA decided to amend the previously submitted work plan that plan was approved by the district on June 9th 2023.

2.0 Site Information and Closure Criteria

Based on information provided by the United States Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey, the soils predominant at the site is the Reeves-Reagan loams which consists of residuum weathered from gypsum. The subject site is 4,662 feet west of a livestock tank (Apple Tank), and 1,074 feet east of a water well (C-04371). The depth to water in the water well is recorded at 69 feet on October 16, 2019. Therefore, depth to water at the subject site is estimated to be greater than 51 feet belowground surface (bgs) and less than 100 feet bgs. Additionally, the release site is in a high karst occurrence location; therefore, the most stringent release closure criteria is applicable for any subsequent remediation efforts. Siting criteria documentation for the subject well site is provided in Appendix A, Siting Documentation. Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B.

3.0 Summary of Remediation Activities

After receiving NMOCD approval, NM 811 utility clearance and a Dig Permit from Chevron excavation work started January 2, 2024. Because of recent rain events Chloride contaminates were found to have leached vertically to greater depths but decreased the release footprint compared to that reported in the June 9th Work Plan. AEA used EM salinity survey to locate and define the horizontal extent of the release. All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Cardinal Laboratory in Hobbs, New Mexico (Appendix D).

AEA and SESI supervised an excavation of seven thousand three hundred and sixty (7360) cubic yards of caliche and native soil to remediate the top four (4) feet of the pad to be compliant with, 19.15.29.13(D)(1) NMAC says "The reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0.

All eight seven (87) closure samples meet or exceed the less than fifty (50) ft to groundwater closure standards in 19.15.29 Table 1 except for six locations all of which are immediately adjacent to a utility making further excavation unsafe see figures 3b-3g.

The area shown in figure 3b has elevated chloride directly under a gas and produced water line represented by sample S12. The areas immediately adjacent to the pipeline show chloride concentrations less than 600 mg/kg as represented in samples CS-19, S10, and EWCS-7. The area unsafe to excavate is approximately 5ft wide and 7.5 feet in length.

The area shown in figure 3c has elevated chloride directly under a gas and produced water line represented by sample S15. The areas immediately adjacent to the pipeline show chloride concentrations less than 600 mg/kg as represented in samples CS-26, S16, and CS-25. The area unsafe to excavate is approximately 5ft wide and 16 feet in length.

The area shown in figure 3d has elevated chloride directly under a gas and produced water line represented by sample S17 and S18. The areas immediately adjacent to the pipeline show chloride concentrations less than 600 mg/kg as represented in samples CS-23, CS-24, and S3. The area unsafe to excavate is approximately 5ft wide and 16 feet in length.

The area shown in figure 3e has elevated chloride directly under a gas and produced water line represented by sample S20 and S19. The areas immediately adjacent to the pipeline show chloride concentrations less than 600 mg/kg as represented in samples CS-25, CS-26, and S2. The area unsafe to excavate is approximately 5ft wide and 16 feet in length.

The area shown in figure 3f has elevated chloride directly under a gas and produced water line and surface flowline represented by sample S21 and Ex 1 CS EW2. The areas immediately adjacent to the pipeline show chloride concentrations less than 600 mg/kg as represented in samples S1 and Ex 1 CS EW1. The area unsafe to excavate is approximately 8.5ft wide and 6 feet in length.

The area shown in figure 3g has elevated chloride directly under a electrical power line and surface flowline manifold represented by sample S24. The areas immediately adjacent to the pipeline show chloride concentrations less than 600 mg/kg as represented in samples 30SW1 and 30NW1. The area unsafe to excavate is approximately 5ft wide and 10 feet in length.

Figure 3 shows the extent of the excavation and existing sample locations. All laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

All contaminated soil from the location was taken to an NMOCD approved facility (waste manifest will be available upon request).

As all discovered impacts were in a pipeline right of way the site required revegetation or restoration work. Restoration work was performed by MMX to BLM Gold Book Standards and revegetation work performed by AG Solutions. The disturbed areas were fertilized seeded with BLM #2 and coated with tackifier to prevent wind erosion.

4.0 Variance and Limitations

Atkins Engineering Associates INC. (AEA) requested a sample variance request from 19.15.29.D.1.c. in the NMOCD approved Work Plan dated June 9th, 2023. All closure sample collection was collected at the approved five hundred (500) square foot.

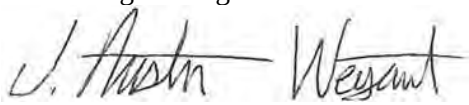
Most of the excavation mimicked a pipeline installation trench with the majority being a track hoe bucket wide and four foot in depth. The areas shown in Figure 3a and 3g are the main pooling areas where the excavation was not a trench.

AEA requests that the “six locations” that exceed less than 50 feet to groundwater closure standards to be deferred see figures 3b-3g. The requested six deferral points cannot be remediated at this present time because they are immediately adjacent to and under area utilities. AEA has demonstrated that the chloride mass left in less than in 1% of the area "does not cause an imminent risk to human health, the environment, or ground water" per 19.15.29.12(C)2 NMAC. See API Amigo models. All deferral areas have been bermed to prevent leaching.

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Austin Weyant at 575-626-3993

Submitted by:
Atkins Engineering Associates INC



Austin Weyant
Environmental Project Manager

ATTACHMENTS:

Figures:

Figures 1a-1b: Setback and Location Maps
Figures 2a-2b: Sample Location Maps
Figures 3a-3g: Close up Sample Location Maps
Figures 4a-4b: Revegetation Areas

Tables:

Table 2: NMOCD Closure Criteria Justification
Table 3a: Summary of Closure Sample Results

Appendices:

Appendix A: Form C141
Appendix B: NMOSE Wells Report
Appendix C: Photo Log and Field Notes
Appendix D: Laboratory Analytical Reports

FIGURES

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FIGURE 1a
NMOCD Setbacks
Excavation Hayhurst

LEGEND

- Excavation Area
- WellGIS
- Release Point
- Pipeline
- NMOCD Gas Wells
- CriticalKarstZone
- FEMA_Flood_Zones_2011

N

0 212.5 425 850

Scale: 1:5,000 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/10/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

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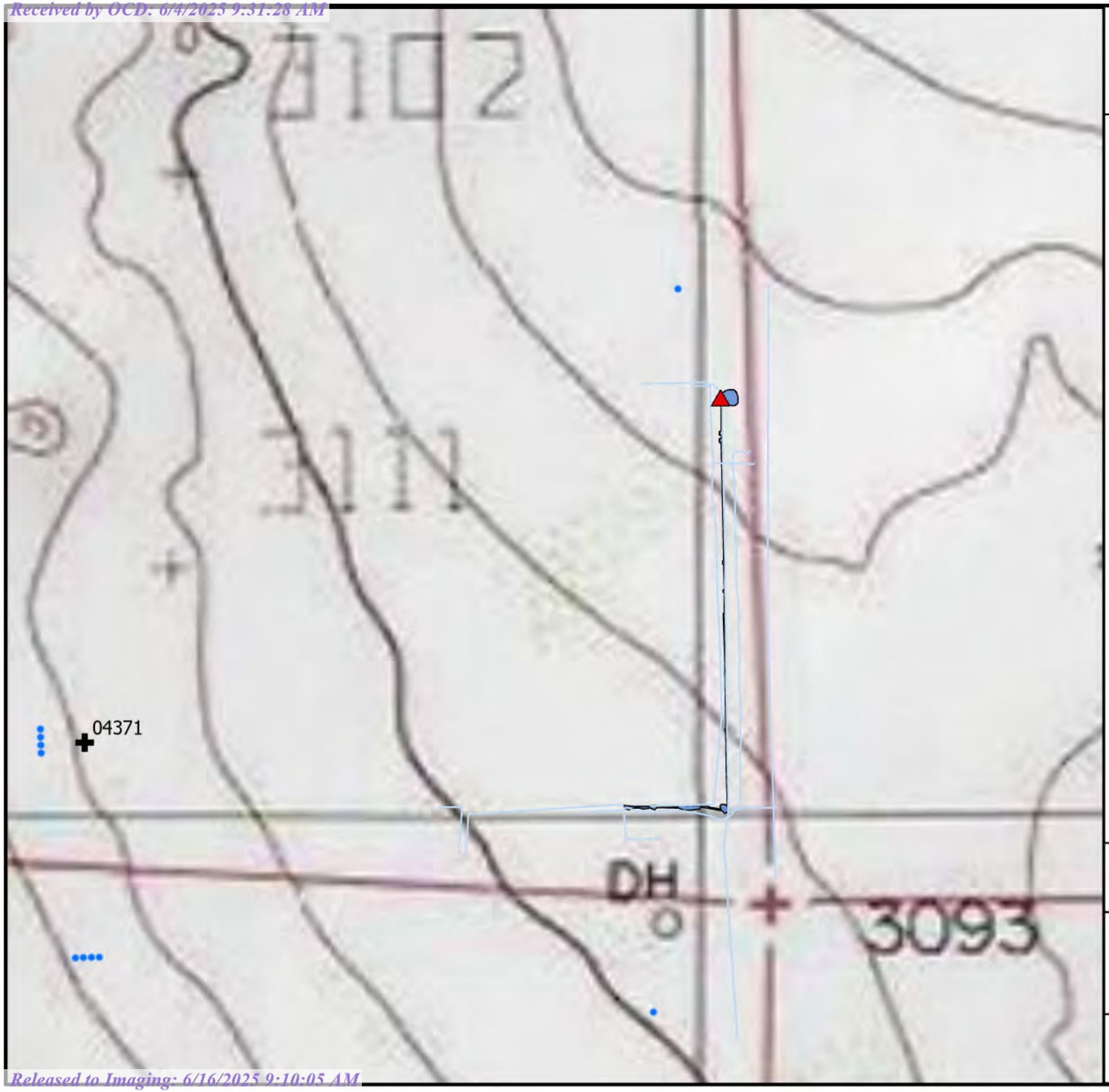

FIGURE 1b
NMOCD Setbacks
Excavation Hayhurst

LEGEND

- Excavation Area
- Release Point
- Pipeline
- NMOCD Gas Wells
- OSE_PODs
- Rivers
- Lakes_Playas
- Springs_Seeps

N

0 212.5 425 850

Scale: 1:5,000 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/10/2024 REVIEW LCM

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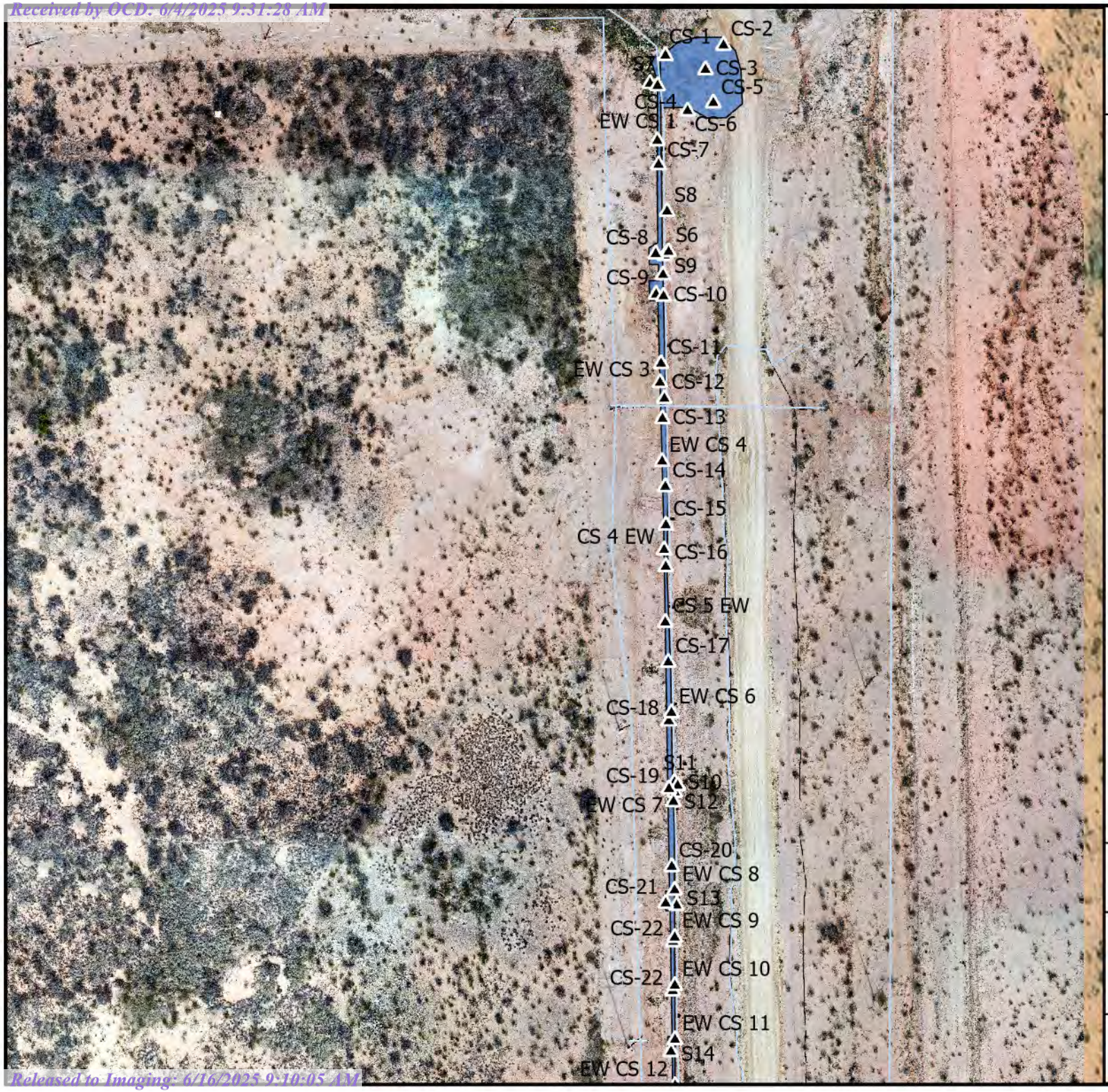

FIGURE 2a
Closure Sample Locations
South Excavation Hayhurst

LEGEND

- Excavation Area
- WellGIS
- Pipeline
- Closure Sample Location

N

0 40 80 160

Scale: 1:1,000 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/10/2024 REVIEW LCM

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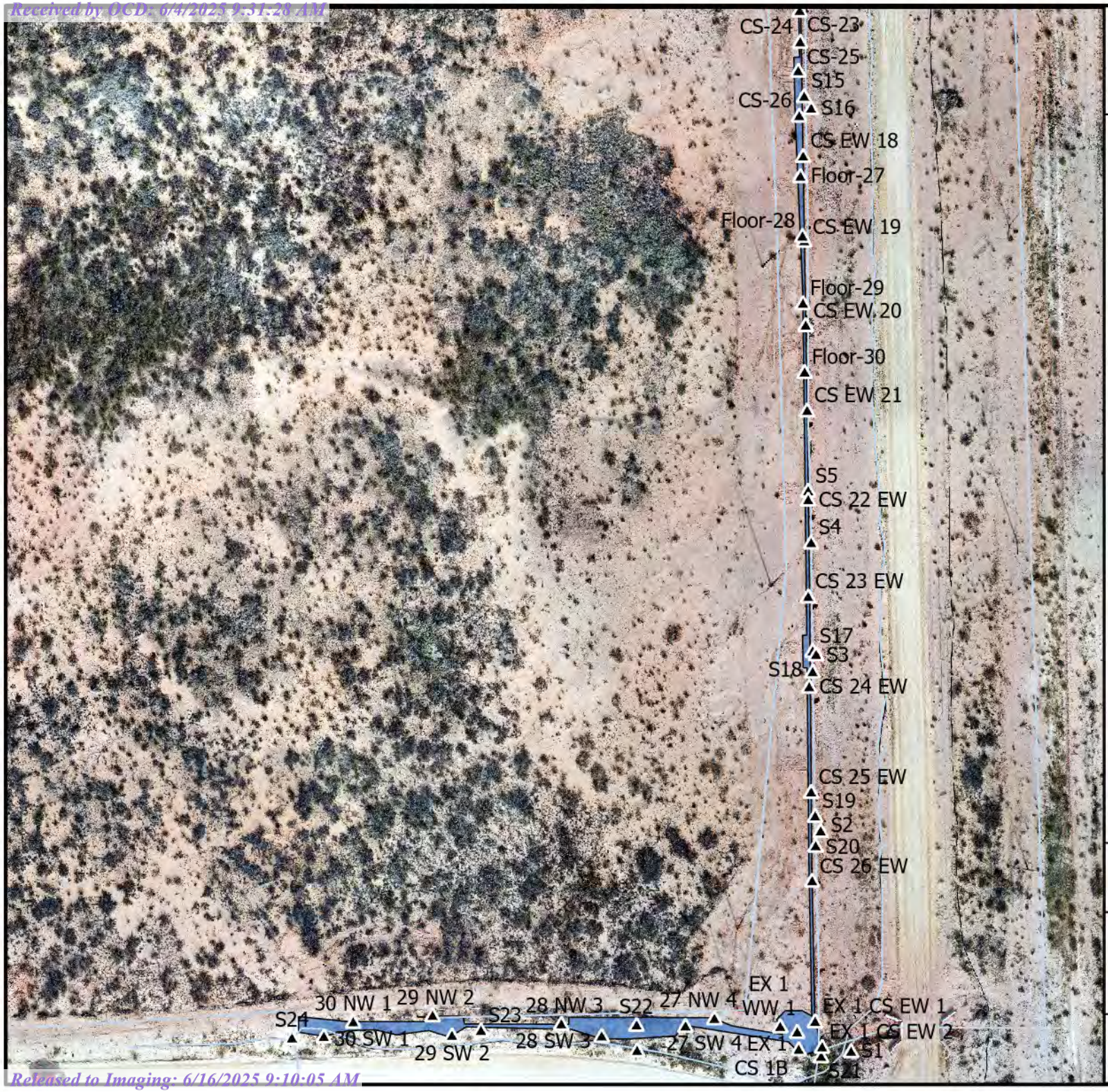

FIGURE 2b
Closure Sample Locations
South Excavation Hayhurst

LEGEND

- Excavation Area
- Release Point
- Pipeline
- Closure Sample Location
- NMOCD Gas Wells

N

0 40 80 160

Scale: 1:1,000 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/14/2024 REVIEW LCM

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FIGURE 3a
Closure Sample Locations
North Excavation Hayhurst

LEGEND

- Excavation Area
- WellGIS
- Pipeline
- Closure Sample Location

N

0 20 40 80

Scale: 1:500 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/10/2024 REVIEW LCM

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FIGURE 3b
Closure Sample Locations
Excavation Hayhurst

LEGEND

- Excavation Area
- Release Point
- Pipeline
- Closure Sample Location
- NMOCD Gas Wells

N

0 4.25 8.5 17

Scale: 1:100 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/17/2024 REVIEW LCM

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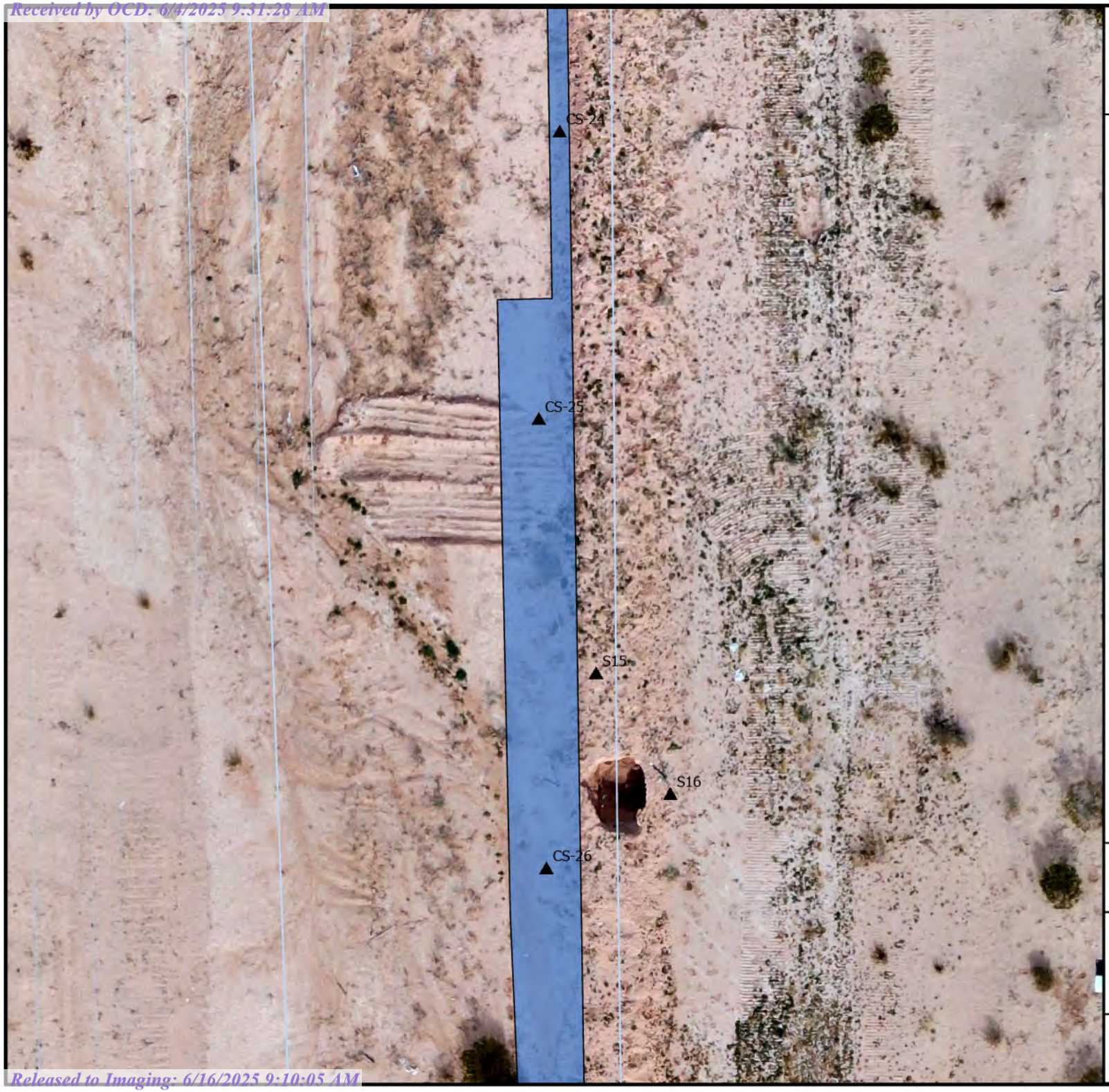

FIGURE 3c
Closure Sample Locations
Excavation Hayhurst

LEGEND

- Excavation Area
- WellGIS
- Pipeline
- Closure Sample Location

N

0 4.25 8.5 17

Scale: 1:100 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/10/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

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FIGURE 3d
Closure Sample Locations
Excavation Hayhurst

LEGEND

- Excavation Area
- WellGIS
- Pipeline
- Closure Sample Location

N

0 4.25 8.5 17

Scale: 1:100 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/10/2024 REVIEW LCM

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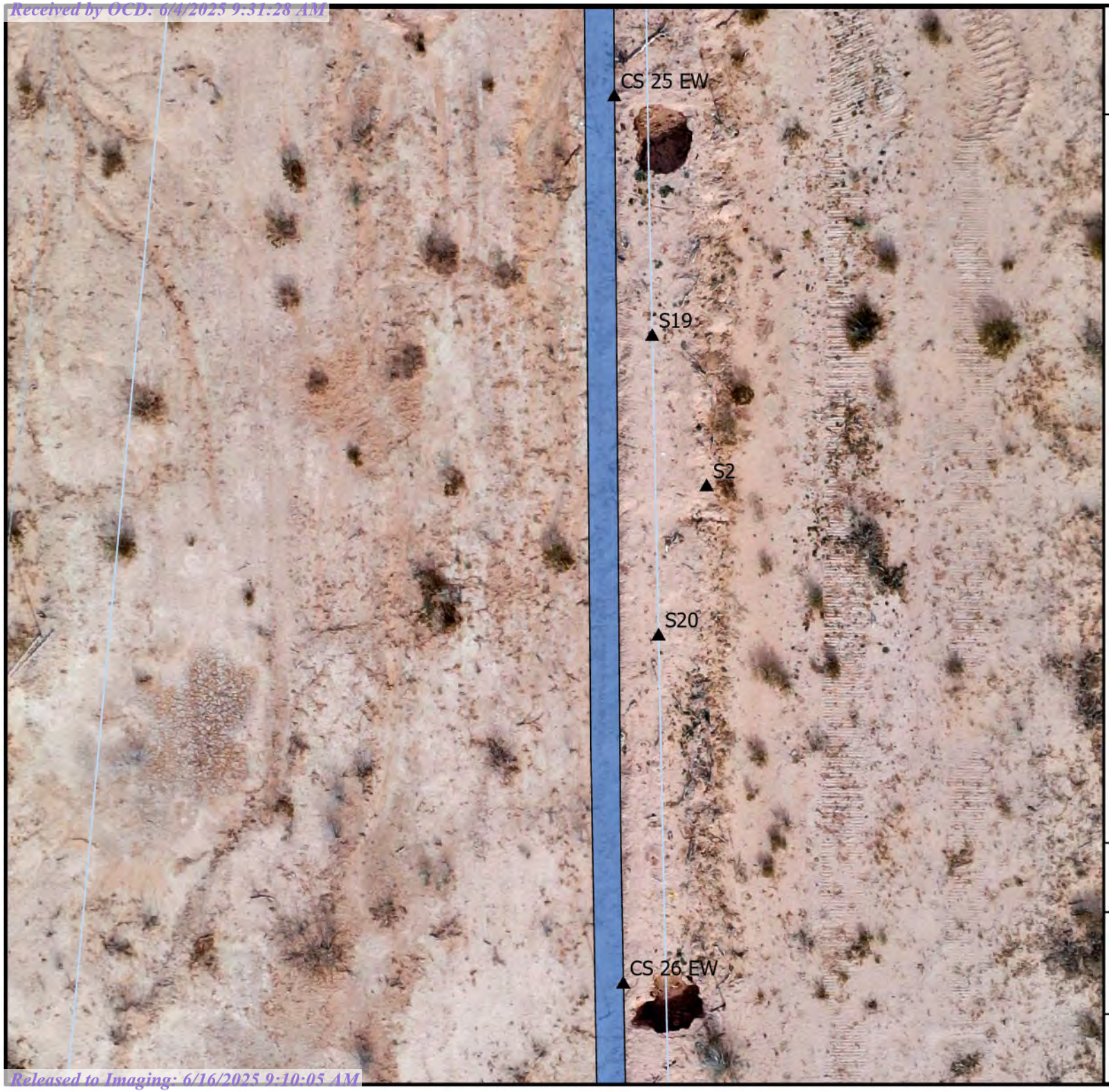

FIGURE 3e
Closure Sample Locations
Excavation Hayhurst

LEGEND

- Excavation Area
- WellGIS
- Pipeline
- Closure Sample Location

N

0 4.25 8.5 17

Scale: 1:100 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/10/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

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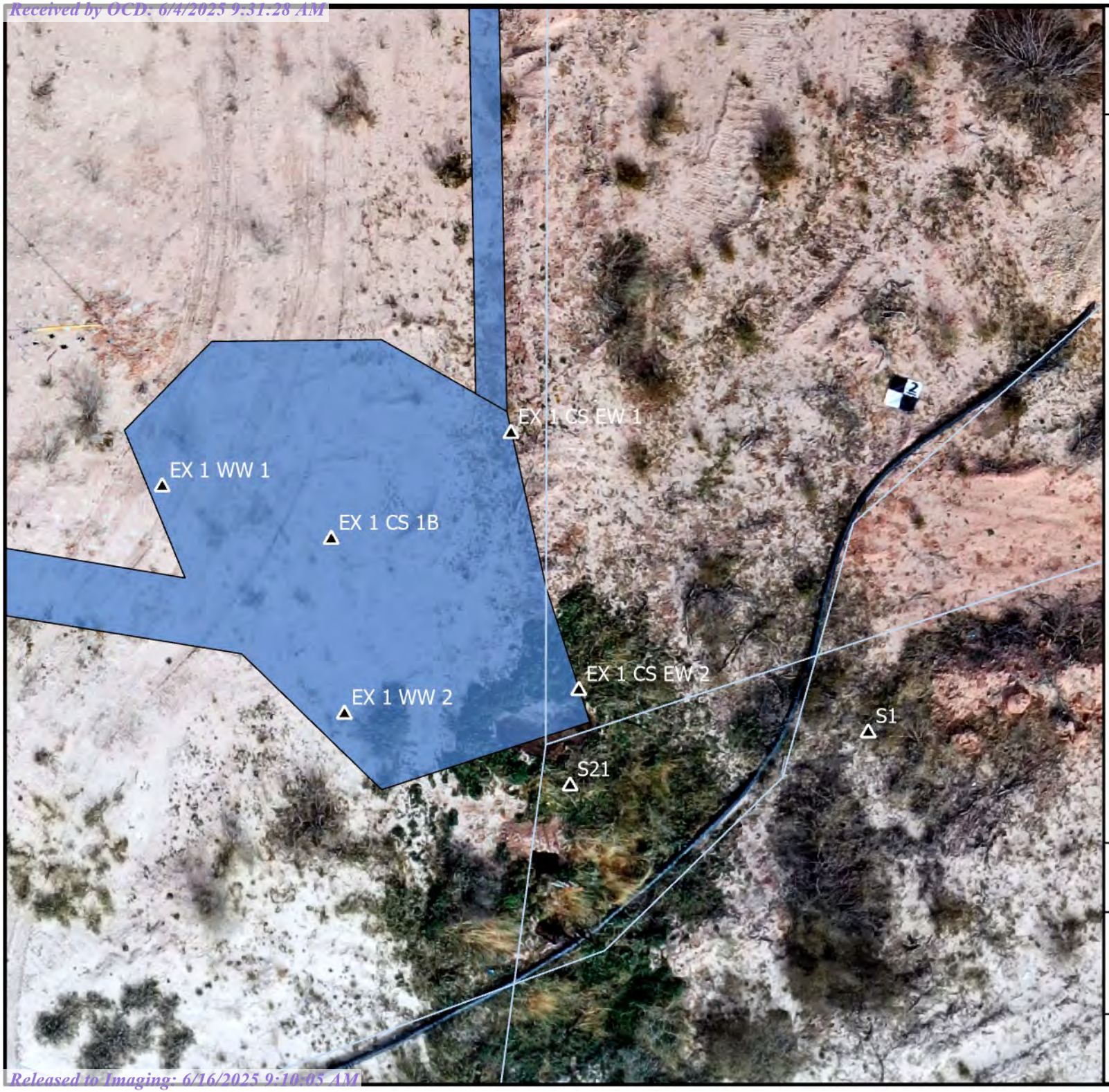

FIGURE 3f
Closure Sample Locations
Excavation Hayhurst

LEGEND

- Excavation Area
- WellGIS
- Pipeline
- Closure Sample Location

N

0 4.25 8.5 17

Scale: 1:100 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/10/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

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Received by OCD: 6/4/2025 9:31:28 AM

FIGURE 3g
Closure Sample Locations
South Excavation Hayhurst

LEGEND

- Excavation Area
- WellGIS
- Pipeline
- Closure Sample Location

N

0 20 40 80

Scale: 1:500 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 10/10/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

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TABLES

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	51-100 ft	NMOSE shothole records
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	2.5 miles	USA Topo
Hortizontal Distance to Nearest Significant Watercourse (ft)	2.5 miles	USA Topo

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		**Closure Criteria (units in mg/kg)**				
		Chloride *numerical limit or background, whichever is greater	**TPH**	**GRO + DRO**	**BTEX**	**Benzene**
< 50' BGS		600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	**yes or no**	**if yes, then**				
<300' from continuously flowing watercourse or other significant watercourse?	no	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	no					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	no					
<1000' from fresh water well or spring?	no					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	no					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	no					
<100' from wetland?	no					
within area overlying a subsurface mine	no					
within an unstable area? (High Karst)	yes					
within a 100-year floodplain?	no					

SMA #

Table 3:
Summary of Sample Results

Sample ID	Sample Date	Depth (feet bgs)	Proposed Action/ Action Taken	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl- mg/Kg	BTEX mg/Kg
NMED Closure Criteria							100	600	50
Confirmation Samples 1	1/6/2024	4	insitu	<10	<10	<10	<30	48	<.150
Confirmation Samples 2	1/6/2024	4	insitu	<10	<10	<10	<30	16	<.150
Confirmation Samples 3	1/6/2024	4	insitu	<10	<10	<10	<30	64	<.150
Confirmation Samples 4	1/6/2024	4	insitu	<10	<10	<10	<30	<100	<.150
Confirmation Samples 5	1/6/2024	4	insitu	<10	<10	<10	<30	<100	<.150
Confirmation Samples 6	1/6/2024	4	insitu	<10	<10	<10	<30	304	<.150
Confirmation Samples 7	1/6/2024	4	insitu	<10	<10	<10	<30	80	<.150
CS 8	1/22/2024	8	insitu	<10	<10	<10	<30	48	<.150
CS 9	1/22/2024	10	insitu	<10	<10	<10	<30	240	<.150
CS 10	1/22/2024	10	insitu	<10	<10	<10	<30	80	<.150
Confirmation Samples 11	1/16/2024	4	insitu	<10	<10	<10	<30	560	<.150
Confirmation Samples 12	1/16/2024	4	insitu	<10	<10	<10	<30	592	<.150
Confirmation Samples 13	1/16/2024	4	insitu	<10	<10	<10	<30	224	<.150
Confirmation Samples 14	1/16/2024	4	insitu	<10	<10	<10	<30	80	<.150
Confirmation Samples 15	1/16/2024	4	insitu	<10	<10	<10	<30	192	<.150
Confirmation Samples 16	1/16/2024	4	insitu	<10	<10	<10	<30	<100	<.150
CS17	1/23/2024	6	insitu	<10	<10	<10	<30	80	<.150
CS18	1/23/2024	6	insitu	<10	<10	<10	<30	160	<.150
CS19	1/24/2024	6	insitu	<10	<10	<10	<30	<16	<.150
CS20	1/24/2024	6	insitu	<10	<10	<10	<30	96	<.150
CS21	1/24/2024	0.5	insitu	<10	<10	<10	<30	80	<.150
Confirmation Samples 22	1/29/2024	4	insitu	<10	<10	<10	<30	128	<.150
Confirmation Samples 23	1/29/2024	4	insitu	<10	<10	<10	<30	48	<.150
Confirmation Samples 24	1/29/2024	4	insitu	<10	<10	<10	<30	320	<.150
Confirmation Samples 25	1/29/2024	4	insitu	<10	<10	<10	<30	48	<.150
Confirmation Samples 26	1/29/2024	4	insitu	<10	<10	<10	<30	176	<.150
Floor 27	2/5/2024	2	insitu	<10	<10	<10	<30	32	<.150
Floor 28	2/6/2024	2	insitu	<10	<10	<10	<30	32	<.150
Floor 29	2/7/2024	4	insitu	<10	<10	<10	<30	336	<.150
Floor 30	2/8/2024	4	insitu	<10	<10	<10	<30	272	<.150
EW CS 1	2/9/2024	4	insitu	<10	<10	<10	<30	64	<.150
EW CS 2	2/10/2024	4	insitu	<10	<10	<10	<30	64	<.150
EW CS 3	2/11/2024	4	insitu	<10	<10	<10	<30	80	<.150
CS 4 EW	2/12/2024	10	insitu	<10	<10	<10	<30	320	<.150
CS 5EW	2/13/2024	10	insitu	<10	<10	<10	<30	80	<.150
EW CS 6	2/14/2024	4	insitu	<10	<10	<10	<30	96	<.150
EW CS 7	2/15/2024	4	insitu	<10	<10	<10	<30	64	<.150
EW CS 8	2/16/2024	4	insitu	<10	<10	<10	<30	48	<.150
EW CS 9	2/17/2024	4	insitu	<10	<10	<10	<30	32	<.150
EW CS 10	2/18/2024	4	insitu	<10	<10	<10	<30	48	<.150
EW CS 11	2/19/2024	4	insitu	<10	<10	<10	<30	128	<.150
EW CS 12	2/20/2024	4	insitu	<10	<10	<10	<30	48	<.150
CS EW 18	1/23/2024	4	insitu	<10	<10	<10	<30	64	<.150
CS EW 19	1/24/2024	4	insitu	<10	<10	<10	<30	48	<.150
CS EW 20	1/24/2024	4	insitu	<10	<10	<10	<30	240	<.150
CS EW 21	1/24/2024	4	insitu	<10	<10	<10	<30	32	<.150
Confirmation Sample 22 EW	1/29/2024	4	S5 resample	<10	<10	<10	<30	~~864~~	<.150
S5	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	<100	<1.00
Confirmation Sample 23 EW	1/30/2024	4	insitu	<10	<10	<10	<30	16	<.150
Confirmation Sample 24 EW	1/31/2024	4	insitu	<10	<10	<10	<30	16	<.150
Confirmation Sample 25 EW	2/1/2024	4	insitu	<10	<10	<10	<30	32	<.150
Confirmation Sample 26 EW	2/2/2024	4	insitu	<10	<10	<10	<30	32	<.150
27 NW 4	2/3/2024	4	insitu	<10	<10	<10	<30	16	<.150
28 NW 3	2/4/2024	4	insitu	<10	<10	<10	<30	16	<.150
29 NW 2	2/5/2024	4	insitu	<10	<10	<10	<30	32	<.150
30 NW 1	2/6/2024	4	insitu	<10	<10	<10	<30	32	<.150
27 SW 4	2/7/2024	4	insitu	<10	<10	<10	<30	32	<.150
28 SW 3	2/8/2024	4	insitu	<10	<10	<10	<30	16	<.150
29 SW 2	2/9/2024	4	insitu	<10	<10	<10	<30	64	<.150
30 SW 1	2/9/2024	4	insitu	<10	<10	<10	<30	48	<.150
Excavation 1 CS 1B	2/9/2024	4	insitu	<10	<10	<10	<30	16	<.150
Excavation 1 WW #1	2/9/2024	4	insitu	<10	<10	<10	<30	32	<.150
Excavation 1 CS WW 2	2/9/2024	4	insitu	<10	<10	<10	<30	48	<.150
Excavation 1 CS EW 1	2/9/2024	4	insitu	<10	<10	<10	<30	416	<.150
Excavation 1 CS EW 2	2/9/2024	4	ROW	<10	<10	<10	<30	1360	<.150
S1	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	<100	<1.00
S2	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	<100	<1.00
S3	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	<100	<1.00
S4	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	<100	<1.00
S6	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	<100	<1.00
S7	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	<100	<1.00
S8	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	<100	<1.00
S9	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	3290	<1.00
S10	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	697	<1.00
S11	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	3230	<1.00
S12	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	2140	<1.00
S13	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	3180	<1.00
S14	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	425	<1.00
S15	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	2390	<1.00
S16	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	317	<1.00
S17	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	2580	<1.00
S18	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	4370	<1.00
S19	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	1880	<1.00
S20	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	1480	<1.00
S21	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	2190	<1.00
S22	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	363	<1.00
S23	9/11/2024	4	insitu	<20.0	<25.0	<50.0	<100.0	419	<1.00
S24	9/11/2024	4	ROW	<20.0	<25.0	<50.0	<100.0	2680	<1.00

"--" = Not Analyzed

AEA #

APPENDIX A
FORMS C141

APPENDIX B
NMOSE WELLS REPORT

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE ROSWELL, NEW MEXICO 2019 NOV -4 PM 4:

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
N/A		C-4371

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Tetra Tech Inc. on behalf of Chevron N.A. E&P Co.	432-687-8130

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
901 W. Wall St. Suite 100	Midland	TX	79706

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	5	41.91	N
	LONGITUDE	104	9	31.92	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10/17/2019	10/17/2019		100	69

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 69

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	C-4371	POD NO.	1	TRN NO.	660311
LOCATION	25S.27E.26.433	WELL TAG ID NO.		PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Tan clayey sand	Y ✓ N	
5	100	95	Gypsum	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Dallas Rader

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10:28:19
DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.): N/A	WELL TAG ID NO.:	OSE FILE NO(S).: C-4371
WELL OWNER NAME(S): Tetra Tech Inc. on behalf of Chevron N.A. E&P Co.		PHONE (OPTIONAL): 432-687-8130
WELL OWNER MAILING ADDRESS: 901 W. Wall St. Suite 100		CITY: Midland STATE: TX ZIP: 79706

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	5	41.91	N
LONGITUDE	104	9	31.92	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE:

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10/17/2019	10/17/2019		100	69

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 69

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Tan clayey sand	Y ✓ N	
5	100	95	Gypsum	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

-WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Dallas Rader

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

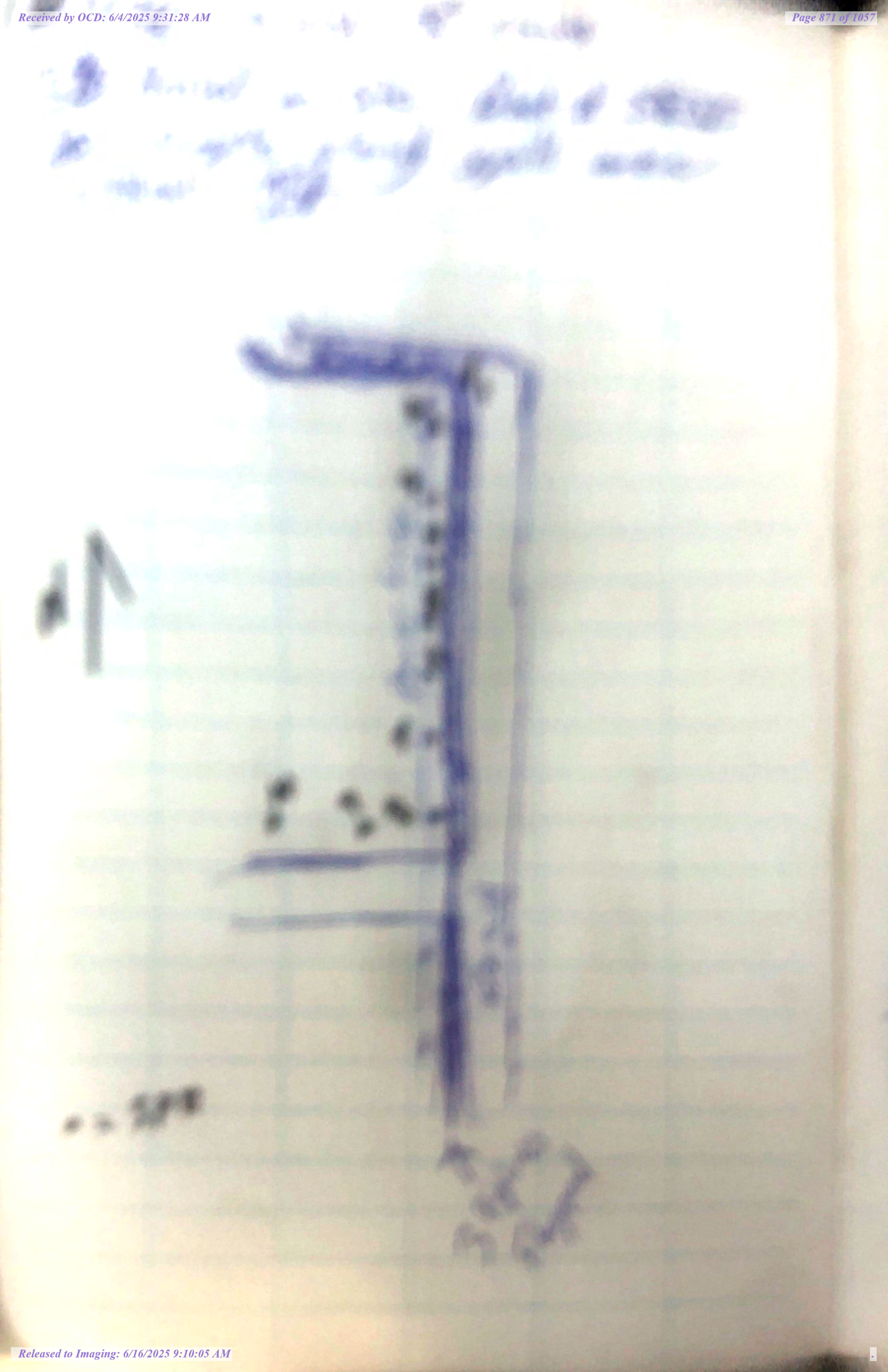
10.28.19
DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

APPENDIX C

PHOTO LOG AND FIELD NOTES



Flagged SPs 1-5
sampled 1-5 at surface & Tested
Chlorides on Location

Time	Sample Point	Results
1320	1 surface	240
1325	1 1ft	
1330	1 2ft	
1340	1 3ft	
1400	2 surface	↓ 120
1425	3 surface	376
1450	4 surface	1334
1530	5 surface	928

Jared all 8 Samples took
To office for Lab
SPs were mapped on drawing
& Left Location at 1610

Page 872 of 1057
Received by OCD: 6/4/2025 9:31:28 AM
Released to Imaging: 6/16/2025 9:10:05 AM

Received by OCD: 6/4/2025 9:31:28 AM

4/8/24

Hayden Able + Bob Allen left SESI office @ 06:30 for the Hayhurst. Bob was Cantacted @ 08:30 + was advised to cancel. Hayden + Bob returned to Hobbs.

4/09/24 43° No Wind

Robato on site at 0725 To sample & meet with Austin & MTR
0830 Austin & MTR arrived on site
0900 Chevron Rep was contacted & sampling was discussed &
0930 Met from Chevron said Rep wouldnt be available till next week, we need to stay 15' away from Piping
10 feet away from Excell Poles
25 feet from ~~Exc~~ Excell Crossover lines
1030 all were off site I continued sampling & mapping site with Juno

SamplePoint	Surface
10	9922
9	~~4440~~ 1760
8	6860
7	1120
6	~~4436~~ 6544

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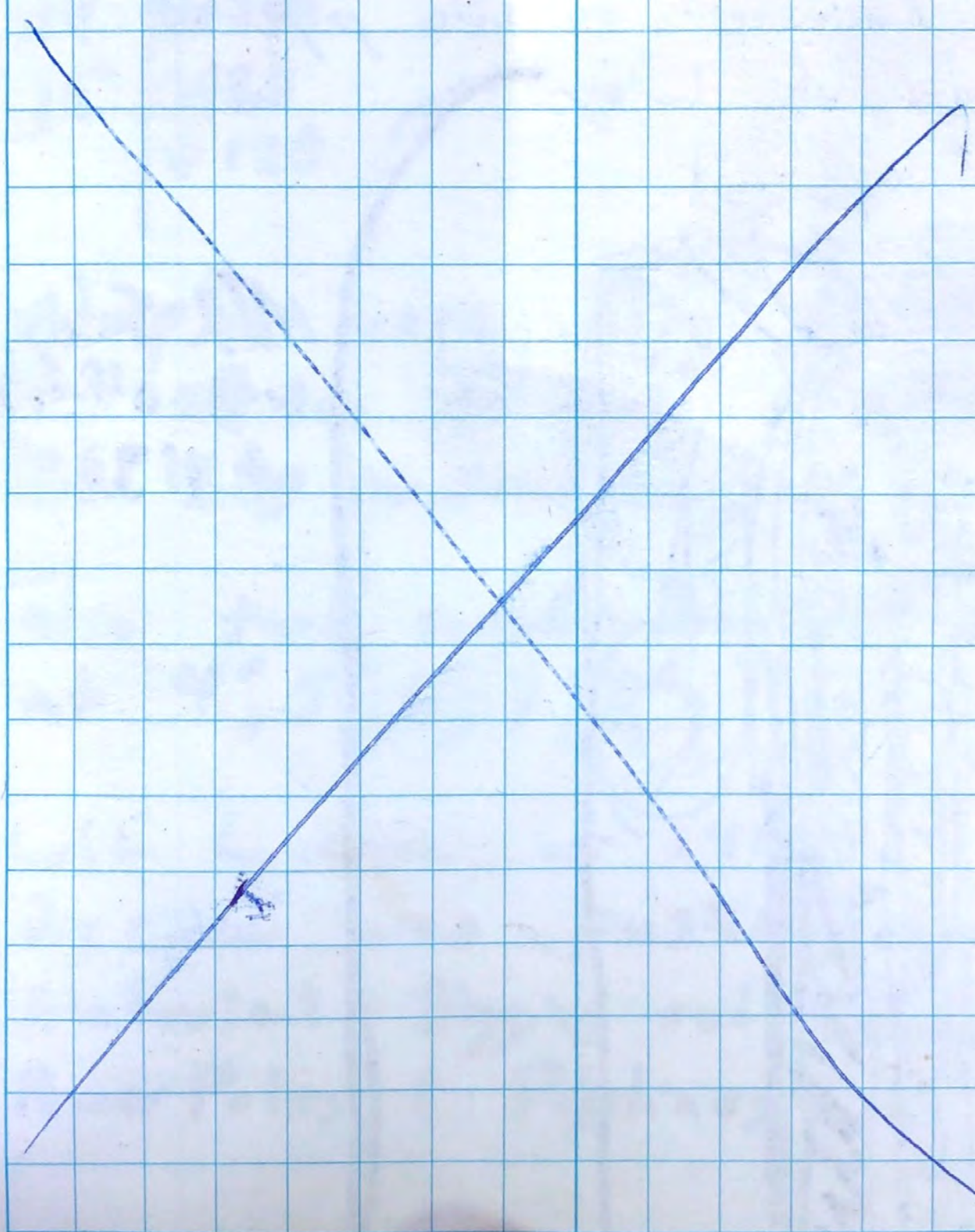
Received by OCD: 6/4/2025 9:31:28 AM

Austin said shoot for ~~400~~ 400-500 on Chlorid Field test
Bob agreed said Nothing over 450 is Acceptable

All sample Points Piplines & Powerlines were mapped and updated 1610 off site



Released to Imaging: 6/16/2025 9:10:05 AM

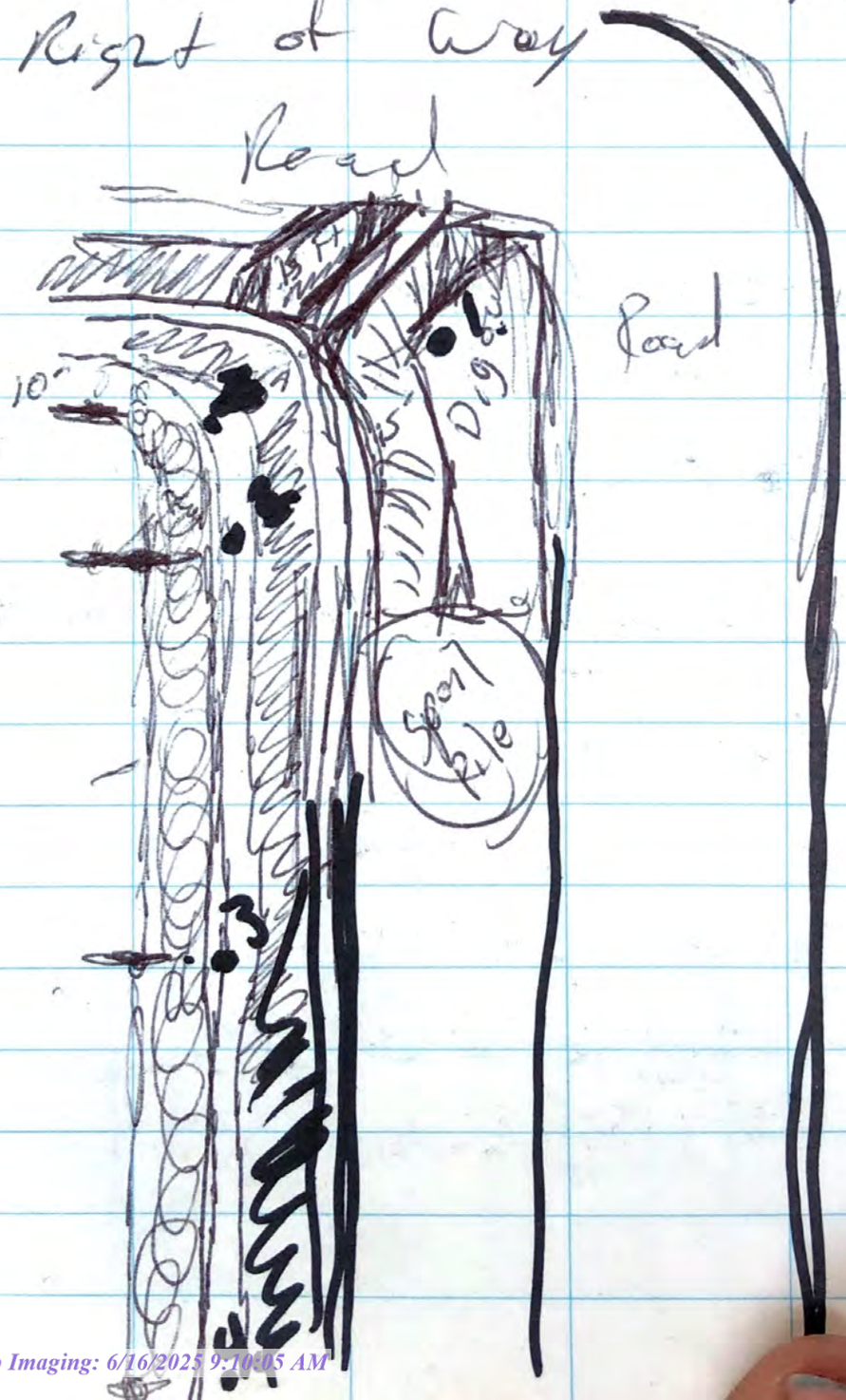
Rite in the Rain

Received by OCD: 6/4/2025 9:31:28 AM

6-10-24 0800 45° NE Breeze

Rebel. on site to supervise Safety & sample Excavation.

0835 MTX Crew on Site met Filled out JSA & discussed dig MTX Safety took Photos Dig will start at north end of Release outside pipeline Right of way



MTX Safety was off site at 1130

Released to Imaging: 6/16/2025 9:10:05 AM

Sampled & Tested Hot Spot in field between SP 5 & SP 6
Took 5 samples & mapped with GPS Tested

SP	Surface
11	↓ 120
12	↓ 120
13	↓ 120
14	↓ 120
15	↓ 120
	↓ 120

Samples were Taped & brought to office to await decision from Bob to send to Lab or not

also took samples to test on SPI at 4'; 5'; 6'; 7'; 8'

Left Location at 1400
Dig Crew was pushing up Material Digging out between Power Poles & Pipelines

Received by OCD: 6/4/2025 9:31:28 AM

8

1-12-24 Robert spoke with Jaime of M&M Strucks hauled 4000 yrds out on 1-11-24

~~180 northbound~~

1-15-24 arrived on sceene at 0800 4 trucks hauling out hauled 400 yrds ~~Today~~ 1-12-24 Total 1000 yards

Met Tom Donaghe of chevron On site said we needed spotter on chevron sites when within 20' of power lines or 15' of chevron lines said to contact chevron Rep & have him contact him 1126 Informed Austin by phone digging stopped till 1-16-24 to get spotters for both Excavator & Loader 400 yrds were hauled out to disposal off site at 1520

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Received by OCD: 6/4/2025 9:31:28 AM

FIO CS = 14° W wind 5-10 mph

0800 on site M&M dirt crew brought Spotters & was digging & Loadin 2 trucks hauling Signed JSA Collected samples every 50 feet of trench starting at North end burning first 25' Sampled ~~750~~ 750ft of trench to test at office

Spoke to Austin he wants the East wall sampled to see if and where we need to dig closer then the Pre established 15' Towards the Chevron Line

Austin George & Jaime were informed 1-18-24 will be when we test the East wall samples taken today were to determin Vertical Extent

Jaime said he would Focus on Hauling out on 1-17-24

200 yrds were hauled out today making total 1600 hauled out

Off site at 1330

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Rite in the Rain

Received by OCD: 6/4/2025 9:31:28 AM

10

~~Of Site a~~

1-18-24 samples from Bottom
results showed

CS #	4'	6ft
1		↓120
2		↓120
3		↓120
4		798
5		524
6		336
7		196
8		464
9		732
10		616
11		168
12		616 ~~651~~
13	~~168~~	~~168~~ 168
14	30	
15	74	

Arrived on Location 1400 68°F
Flagged & mapped sample Points
from Bottom & Excavation Perimeter with
Juno, marked areas needed to
go deeper

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Crew on site to sample side walls for 500 feet & test every 50' as MMA on site at 0840 to dig deeper

Resampled the 4,5, bottoms at 8ft & tested on site Below Limits Both came back ~~clean~~ on field test-

off site 1210

+/- 8ft - 120

S - 8ft - 120

1 EW - 120 0850

2 EW - 120 0850

3 EW - 120 0915

4 EW - 1160 ~~0930~~ 0945

5 EW - 1640 1000

6 EW - 296 1040

7 EW - 168 1100

8 EW - 120 1125

9 EW - 120 1145

10 EW - 120 1200

Rite in the Rain

Released to Imaging: 6/16/2025 9:10:05 AM

Received by OCD: 6/4/2025 9:31:28 AM

12 1-22-24 55° ↓5 mph E-W

0730 Robert & Fabian on site for SESI
Jaime & Javo on site with 1 spotter
and 1 truck from MMX
David Dale of Chevron were on
site supervising dig toward Pipline
CS 4 & 5 were dug 5ft towards
E wall & sampled

Sample		-5	-10
CS EW	4	660	368
CS EW	5	980	332

Sample	8 ft	10 ft
CS 8	↓120	
CS 9	512	420
CS 10	1,244	168

Chevron Left at 1530
1600 Dig crew left
1630 SESI Left

Released to Imaging: 6/16/2025 9:10:05 AM

Received by OCD: 6/4/2025 9:31:28 AM

1-23

1115 Robert & Fabian of SESI on site to continue ~~test~~ Talked to Jaime of MMX Hauling was haulted due to Problems with R360 said Ma is Aware Plotted sample Pa along ~~tract~~ East trench & collected samples for fi & Lab

	SP	
~~EW 15~~	EW 11	↓120
~~to~~	EW 12	168
~~17~~	EW 13	1432
	EW 14	2508
	EW 15	2708
	EW 16	928
X	16-6ft	464
	17-6ft	376
X	17-EW	564
	18 EW	↓120
	18-6ft	196

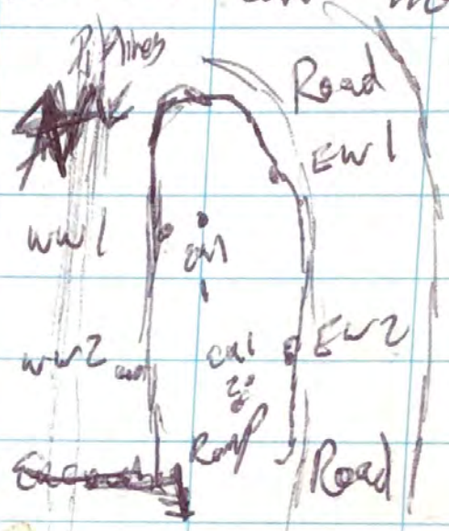
Left Location 16:16

Released to Imaging: 6/16/2025 9:10:05 AM

Received by OCD: 6/4/2025 9:31:28 AM

1-24-21
14 0800
Roberto SEST on site
to sample
Excavation 1 was sampled
0820 Austin on site
0845 MMR Game Two Event Coordinator
on site
All left location at 1100

1B-4ft	2944
1EW1	2480
1EW2	2480
1WW1	1120
1WW2	2708



All Sample Points were mapped using Juno

1120 ~~1121~~ were sampled at left and EWall
#21 was sampled at surface & EW within 10 ft
but 21 was not excavated as Telephone pole another ~~Area~~ would have been compromised
This is at SP 7 which initially showed 1120 at surface
off site at 1500

Released to Imaging: 6/16/2025 9:10:05 AM

Received by OCD: 6/4/2025 9:31:28 AM

19-EW	↓120
20-6ft	120
20-EW	336
21-Surface	~~↓120~~ ↓120
21-6ft	↓120

29 40° W to E Breeze ↓5mph Sunny

Robert of SESI on site to sample & test Excavation for Chlorides met with Jaime of MMX he going to dig back excavation 1 and wait for Charros to dig toward Pipline

P	EW	4ft
	120	144
3	↓120	144
4	↓120	376
5	↓120	↓120
6	↓120	168

Excavation 1

	6ft	-5ft
~~1~~ 1B	↓120	
WW1		↓120
~~EW 1~~		
~~EW 2~~		

-35ft

EW 1	908
EW 2	1992

Released to Imaging: 6/16/2025 9:10:05 AM

Excavation 1 is at edge of Road & cant be taken further east without tearing up Road so samples were taken to confirm Levels to be deferred off site at Well

1/30/24 1400 Fabian & Roberto of SESD on site to sample sidwalls South Excavation that was not filled in

	NW	WT
27	120	1164
28	120	1204
29	120	376
30	120	196

Stopped sampling due to Rain off site 1540

11:00AM arrived on Location (Hayhurst) spoke with Jaime and signed JSA.

After I (Fabian) began TO Supervise the back fill of the trench. AT 3:30 left Hayhurst Location.

Rite in the Rain

APPENDIX D

LABORATORY ANALYTICAL REPORTS

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 23, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/15/24 16:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-11	H240168-01	Soil	10-Jan-24 10:15	15-Jan-24 16:32
SP-12	H240168-02	Soil	10-Jan-24 10:40	15-Jan-24 16:32
SP-13	H240168-03	Soil	10-Jan-24 11:20	15-Jan-24 16:32
SP-14	H240168-04	Soil	10-Jan-24 12:10	15-Jan-24 16:32
SP-15	H240168-05	Soil	10-Jan-24 12:35	15-Jan-24 16:32
SP-1 4'	H240168-06	Soil	10-Jan-24 13:30	15-Jan-24 16:32
SP-1 5'	H240168-07	Soil	10-Jan-24 13:40	15-Jan-24 16:32
SP-1 6'	H240168-08	Soil	10-Jan-24 13:50	15-Jan-24 16:32
SP-1 7'	H240168-09	Soil	10-Jan-24 13:55	15-Jan-24 16:32
SP-1 8'	H240168-10	Soil	10-Jan-24 14:00	15-Jan-24 16:32

01/23/24 - Client added BTEX and TPH on 01/19/24 (see COC). This is the revised report and will replace the one sent on 01/18/24.

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-11

H240168-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.9 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*91.1 %*	*48.2-134*		*4011904*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.6 %*	*49.1-148*		*4011904*	MS	*19-Jan-24*	*8015B*	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-12

H240168-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*96.8 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*95.1 %*	*48.2-134*		*4011904*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.6 %*	*49.1-148*		*4011904*	MS	*19-Jan-24*	*8015B*	

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Analytical Results For:

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SP-13

H240168-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.7 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*102 %*	*48.2-134*		*4011904*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*95.5 %*	*49.1-148*		*4011904*	MS	*19-Jan-24*	*8015B*	

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SP-14

H240168-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.0 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*84.0 %*	*48.2-134*		*4011904*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.0 %*	*49.1-148*		*4011904*	MS	*19-Jan-24*	*8015B*	

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SP-15

H240168-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.0 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011904	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*94.5 %*	*48.2-134*		*4011904*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*87.3 %*	*49.1-148*		*4011904*	MS	*19-Jan-24*	*8015B*	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-1 4'

H240168-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.2 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*86.6 %*	*48.2-134*		*4011913*	MS	*20-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.6 %*	*49.1-148*		*4011913*	MS	*20-Jan-24*	*8015B*	

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Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-1 5'

H240168-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.0 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*70.7 %*	*48.2-134*		*4011913*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*53.3 %*	*49.1-148*		*4011913*	MS	*19-Jan-24*	*8015B*	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-1 6'

H240168-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.9 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*72.5 %*	*48.2-134*		*4011913*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*54.4 %*	*49.1-148*		*4011913*	MS	*19-Jan-24*	*8015B*	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-1 7'

H240168-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.0 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011913	MS	19-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*72.5 %*	*48.2-134*		*4011913*	MS	*19-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*55.4 %*	*49.1-148*		*4011913*	MS	*19-Jan-24*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

SP-1 8'

H240168-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	4011523	HM	16-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011907	JH	19-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.6 %*	*71.5-134*		*4011907*	JH	*19-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011913	MS	20-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*102 %*	*48.2-134*		*4011913*	MS	*20-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*109 %*	*49.1-148*		*4011913*	MS	*20-Jan-24*	*8015B*	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011523 - 1:4 DI Water										
Blank (4011523-BLK1)				Prepared & Analyzed: 15-Jan-24						
Chloride	ND	16.0	mg/kg							
LCS (4011523-BS1)				Prepared & Analyzed: 15-Jan-24						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (4011523-BSD1)				Prepared & Analyzed: 15-Jan-24						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011907 - Volatiles										
Blank (4011907-BLK1)				Prepared & Analyzed: 19-Jan-24						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*97.8*	*71.5-134*			
LCS (4011907-BS1)				Prepared & Analyzed: 19-Jan-24						
Benzene	1.85	0.050	mg/kg	2.00		92.6	82.8-130			
Toluene	1.83	0.050	mg/kg	2.00		91.7	86-128			
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.6	85.9-128			
m,p-Xylene	3.55	0.100	mg/kg	4.00		88.7	89-129			BS-3
o-Xylene	1.78	0.050	mg/kg	2.00		89.2	86.1-125			
Total Xylenes	5.33	0.150	mg/kg	6.00		88.9	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0485*		mg/kg	*0.0500*		*97.0*	*71.5-134*			
LCS Dup (4011907-BSD1)				Prepared & Analyzed: 19-Jan-24						
Benzene	2.17	0.050	mg/kg	2.00		109	82.8-130	15.8	15.8	
Toluene	2.16	0.050	mg/kg	2.00		108	86-128	16.3	15.9	QR-04
Ethylbenzene	2.15	0.050	mg/kg	2.00		108	85.9-128	16.0	16	
m,p-Xylene	4.19	0.100	mg/kg	4.00		105	89-129	16.6	16.2	QR-04
o-Xylene	2.10	0.050	mg/kg	2.00		105	86.1-125	16.2	16.7	
Total Xylenes	6.29	0.150	mg/kg	6.00		105	88.2-128	16.5	16.3	QR-04
Surrogate: 4-Bromofluorobenzene (PID)	*0.0490*		mg/kg	*0.0500*		*97.9*	*71.5-134*			

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011904 - General Prep - Organics										
Blank (4011904-BLK1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*55.6*		mg/kg	*50.0*		*111*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*51.6*		mg/kg	*50.0*		*103*	*49.1-148*			
LCS (4011904-BS1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	206	10.0	mg/kg	200		103	66.4-123			
DRO >C10-C28	214	10.0	mg/kg	200		107	66.5-118			
Total TPH C6-C28	421	10.0	mg/kg	400		105	77.6-123			
Surrogate: 1-Chlorooctane	*61.5*		mg/kg	*50.0*		*123*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*57.3*		mg/kg	*50.0*		*115*	*49.1-148*			
LCS Dup (4011904-BSD1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	194	10.0	mg/kg	200		97.0	66.4-123	6.14	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.3	66.5-118	7.58	21	
Total TPH C6-C28	393	10.0	mg/kg	400		98.2	77.6-123	6.87	18.5	
Surrogate: 1-Chlorooctane	*58.8*		mg/kg	*50.0*		*118*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*53.8*		mg/kg	*50.0*		*108*	*49.1-148*			
Batch 4011913 - General Prep - Organics										
Blank (4011913-BLK1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*45.0*		mg/kg	*50.0*		*90.1*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*35.2*		mg/kg	*50.0*		*70.3*	*49.1-148*			

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Analytical Results For:

Safety & Environmental Solutions 703 East Clinton Hobbs NM, 88240	Project: HAYHURST Project Number: ATK - 22 - 002 Project Manager: Bob Allen Fax To: (575) 393-4388	Reported: 23-Jan-24 16:22

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011913 - General Prep - Organics										
LCS (4011913-BS1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	204	10.0	mg/kg	200		102	66.4-123			
DRO >C10-C28	184	10.0	mg/kg	200		92.2	66.5-118			
Total TPH C6-C28	388	10.0	mg/kg	400		97.0	77.6-123			
Surrogate: 1-Chlorooctane	*47.1*		mg/kg	*50.0*		*94.2*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*38.6*		mg/kg	*50.0*		*77.3*	*49.1-148*			
LCS Dup (4011913-BSD1)				Prepared & Analyzed: 19-Jan-24						
GRO C6-C10	207	10.0	mg/kg	200		103	66.4-123	1.59	17.7	
DRO >C10-C28	193	10.0	mg/kg	200		96.5	66.5-118	4.55	21	
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123	3.01	18.5	
Surrogate: 1-Chlorooctane	*48.2*		mg/kg	*50.0*		*96.5*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*40.7*		mg/kg	*50.0*		*81.3*	*49.1-148*			

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions
Project Manager:	Bob Allen
Address:	703 East Clinton, PO Box 1613
City:	Hobbs State: NM Zip: 88240
Phone #:	575 397-0510 Fax #: 575 393-4388
Project #:	ATK-22-002 Project Owner:
Project Name:	Hayhurst
Project Location:	
Sampler Name:	Robert Martinez

BILL TO

P.O. #:	
Company:	Same
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

Chlorides; BTEX added 1-19-24; TPH added 1-19-24 KSR 1-19-24

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chlorides	BTEX	TPH
H240168 1	SP - 11	G	1			X					X		1/10/24	1015	X	X	X
2	SP - 12													1020			
3	SP - 13													1120			
4	SP - 14													1210			
5	SP - 15													1235			
6	SP - 1 4'													1330			
7	SP - 1 5'													1340			
8	SP - 1 6'													1350			
9	SP - 1 7'													1355			
10	SP - 1 8'	G	1			X					X		1/10/24	1400	X		

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Relinquished By:	Date: 1/15/24	Received By:	
	Time: 16:32		
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 0.8°C #1140

Sample Condition: Cool: Yes / No; Intact: Yes / No

CHECKED BY: (Initials)

Phone Result: ☐ Yes ☒ No Add'l Phone #:

Fax Result: ☐ Yes ☒ No Add'l Fax #:

REMARKS:

email: ballen@sesl-nm.com
dboyer@sesl-nm.com
BMartinez@sesl-nm.com
* customer to samples. added BTEX + TPH analysis
SRodriguez 1-19-24

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 22, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/18/24 15:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 1 (H240220-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2024	ND	2.14	107	2.00	11.0	
Toluene*	<0.050	0.050	01/18/2024	ND	2.16	108	2.00	6.37	
Ethylbenzene*	<0.050	0.050	01/18/2024	ND	2.22	111	2.00	8.56	
Total Xylenes*	<0.150	0.150	01/18/2024	ND	6.60	110	6.00	8.99	
Total BTEX	<0.300	0.300	01/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane *73.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *71.3 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 2 (H240220-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2024	ND	2.14	107	2.00	11.0	
Toluene*	<0.050	0.050	01/18/2024	ND	2.16	108	2.00	6.37	
Ethylbenzene*	<0.050	0.050	01/18/2024	ND	2.22	111	2.00	8.56	
Total Xylenes*	<0.150	0.150	01/18/2024	ND	6.60	110	6.00	8.99	
Total BTEX	<0.300	0.300	01/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane *91.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.8 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 3 (H240220-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2024	ND	2.14	107	2.00	11.0	
Toluene*	<0.050	0.050	01/18/2024	ND	2.16	108	2.00	6.37	
Ethylbenzene*	<0.050	0.050	01/18/2024	ND	2.22	111	2.00	8.56	
Total Xylenes*	<0.150	0.150	01/18/2024	ND	6.60	110	6.00	8.99	
Total BTEX	<0.300	0.300	01/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane *91.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.3 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 6 (H240220-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2024	ND	2.14	107	2.00	11.0	
Toluene*	<0.050	0.050	01/18/2024	ND	2.16	108	2.00	6.37	
Ethylbenzene*	<0.050	0.050	01/18/2024	ND	2.22	111	2.00	8.56	
Total Xylenes*	<0.150	0.150	01/18/2024	ND	6.60	110	6.00	8.99	
Total BTEX	<0.300	0.300	01/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane *91.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.6 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 7 (H240220-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2024	ND	2.14	107	2.00	11.0	
Toluene*	<0.050	0.050	01/18/2024	ND	2.16	108	2.00	6.37	
Ethylbenzene*	<0.050	0.050	01/18/2024	ND	2.22	111	2.00	8.56	
Total Xylenes*	<0.150	0.150	01/18/2024	ND	6.60	110	6.00	8.99	
Total BTEX	<0.300	0.300	01/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *93.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.2 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 11 (H240220-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *98.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.4 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 12 (H240220-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	205	102	200	2.03	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	208	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *98.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.3 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 13 (H240220-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	193	96.3	200	0.716	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	200	99.9	200	0.392	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.6 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 14 (H240220-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	193	96.3	200	0.716	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	200	99.9	200	0.392	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.7 %* *49.1-148*

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: CONFIRMATION SAMPLE 15 (H240220-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	01/19/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	193	96.3	200	0.716	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	200	99.9	200	0.392	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane *98.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 918 of 1057

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions	BILL TO	
Project Manager:	Bob Allen	P.O. #:	
Address:	703 East Clinton, PO Box 1613	Company:	Same
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575 397-0510 Fax #: 575 393-4388	Address:	
Project #:	ATK-22-002 Project Owner:	City:	
Project Name:	Harhurst	State: Zip:	
Project Location:		Phone #:	
Sampler Name:	R. Martinez	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH 8015	Chlorides
H240220																		
1	Confirmation Sample	1	G	1			X					X		1-16-24	1030	X	X	X
2	"	2	G	1										1-16-24	1035			
3	"	3	G	1											1040			
4	"	4	G	1											1105			
5	"	7	G	1			X					X		1-16-24	1115	X	X	X
6	"	11	G	1											1210			
7	"	12	G	1											1220			
8	"	13	G	1										1-16-24	1240			
9	"	14	G	1										1-16-24	1300			
10	"	15	G	1			X					X		1-16-24	1320	X	X	X

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Relinquished By:	Date: 1/18/24	Received By:	Phone Result: ☒ Yes ☐ No Add'l Phone #: 575 397 0510
	Time: 1503		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Rush 48 hrs
	Time:		ballen@sesi-nm.com office2@sesi-nm.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	#140 4.1°C	Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)

R.Martinez@sesi-nm.com
Able@sesi-nm.com
Hbayer@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 26, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/23/24 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 10 - 10 FT (H240307-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *91.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 9 - 10 FT (H240307-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *94.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 8 - 8 FT (H240307-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *86.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *71.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 4 EW - 10 FT (H240307-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *95.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 5 EW - 10 FT (H240307-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 926 of 1057

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions	BILL TO	
Project Manager:	Bob Allen	P.O. #:	
Address:	703 East Clinton, PO Box 1613	Company:	Same
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575 397-0510 Fax #: 575 393-4388	Address:	
Project #:	ATK-22-002 Project Owner: Atkins engin.	City:	
Project Name:	Hay Hurst	State: Zip:	
Project Location:	Malaga	Phone #:	
Sampler Name:	R. Martinez	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH 8015	Chlorides
H240307	~~Confirmation Sample~~	~~G~~															
1	CS 10-10 FT	G	1			X					X		1-22-24	15:50	X	X	X
2	CS 9-10 FT	G	1										1-22-24	1500			
3	CS 8-8 FT	G	1			X					X		1-22-24	1350	X	X	X
4	CS 4 EW-10FT	G	1										1-2224	1330			
5	CS 5 EW-10 FT	G	1			X					X		1-22-24	1430	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 1/23/24 Time: 16:24	Received By:	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	2.90c #140	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials)

Phone Result: ☒ Yes ☐ No Add'l Phone #: 575 397 0510
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

[redacted]

ballen@sesi-nm.com office2@sesi-nm.com
R.martinez@sesi-nm.com
Hable@sesi-nm.com
Hbeyer@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 26, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/23/24 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 1 (H240308-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *90.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 2 (H240308-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *94.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 3 (H240308-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *82.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *67.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 6 (H240308-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	01/24/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *86.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 7 (H240308-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/24/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *88.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 8 (H240308-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/24/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *90.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 9 (H240308-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/24/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *89.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/23/2024	Sampling Date:	01/19/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EW CS 10 (H240308-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/24/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	197	98.6	200	3.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	192	96.0	200	0.232	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *88.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions	BILL TO	
Project Manager:	Bob Allen	P.O. #:	
Address:	703 East Clinton, PO Box 1613	Company:	Same
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575 397-0510 Fax #: 575 393-4388	Address:	
Project #:	Atk-22-002 Project Owner: Atkins Engineering	City:	
Project Name:	Haythurst	State: Zip:	
Project Location:	Malaga	Phone #:	
Sampler Name:	R. Martinez	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH 8015	Chlorides
H240308 1	EW CS 1	G	1			X					X		1-19-24	0830	X	X	X
2	EW CS 2	G	1										1-19-24	850			
3	EW CS 3	G	1										1-19-24	0915			
4	EW CS 6	G	1										1-19-24	1040			
5	EW CS 7	G	1			X					X		1-19-24	1100			
6	EW CS 8	G	1										1-19-24	1125			
7	EW CS 9	G	1										1-19-24	1145			
8	EW CS 10	G	1			X					X		1-19-24	1200	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 1/23/24	Received By:	
	Time: 1615		
Relinquished By:	Date:	Received By:	
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3.90c #140	Sample Condition: Cool Yes / No; Intact Yes / No	CHECKED BY: (Initials)

Phone Result: ☒ Yes ☐ No Add'l Phone #: 575 397 0510
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

[redacted]

ballen@sesi-nm.com office2@sesi-nm.com
R.Martinez@sesi-nm.com
Hable@sesi-nm.com
Hbayer@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 29, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/24/24 16:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 17 - 6FT (H240329-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.28	114	2.00	7.73	
Toluene*	<0.050	0.050	01/25/2024	ND	2.43	122	2.00	7.69	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.57	129	2.00	7.56	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	7.79	130	6.00	7.68	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/25/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	193	96.4	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *95.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS EW 11 (H240329-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.28	114	2.00	7.73	
Toluene*	<0.050	0.050	01/25/2024	ND	2.43	122	2.00	7.69	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.57	129	2.00	7.56	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	7.79	130	6.00	7.68	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	01/25/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	193	96.4	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS EW 12 (H240329-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/25/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/25/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	193	96.4	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 18 - 6FT (H240329-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/25/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	01/25/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	193	96.4	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *122 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Dionica Hinojos
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS EW 18 (H240329-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/25/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/25/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	193	96.4	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	201	101	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 245 of 1057

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions	BILL TO	
Project Manager:	Bob Allen	P.O. #:	
Address:	703 East Clinton, PO Box 1613	Company:	Same
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575 397-0510 Fax #: 575 393-4388	Address:	
Project #:	ATK-22-002 Project Owner: Atkins Engineering	City:	
Project Name:	Haylurst	State: Zip:	
Project Location:	Malaga	Phone #:	
Sampler Name:	R. Martinez	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH 8015	Chlorides
H240329																	
1	CS 17-GR	G	1			X					X		1-23-24	1400	X	X	X
2	CS EW 11	G	1										1-23-24	1215			
3	CS EW 12	G	1										1-23-24	1230			
4	~~CS 18-GR~~ CS 18-GR	G	1										1-23-24	1430			
5	CS EW 18	G	1			X					X		1-23-24	1445	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 1/24/24	Received By:	Phone Result:	☒ Yes ☐ No	Add'l Phone #: 575 397 0510
	Time: 16:53		Fax Result:	☐ Yes ☐ No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:		
	Time:				

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 3.7°C #140

Sample Condition: Cool ☒ Yes ☐ No; Intact ☒ Yes ☐ No

CHECKED BY: (Initials)

Rusk 24
balken@sesi-nm.com
R.Martinez@sesi-nm.com
HAble@sesi-nm.com
Hbayer@sesi-nm.com
office2@sesi-nm.com
FCanty@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 30, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/25/24 13:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EXCAVATION 1 WW #1 (H240343-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/26/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/26/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/26/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *86.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 19 - 6 FT (H240343-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/26/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/26/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/26/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *120 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 19 - EW (H240343-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2024	ND	2.42	121	2.00	2.85	
Toluene*	<0.050	0.050	01/26/2024	ND	2.36	118	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.43	122	2.00	10.8	
Total Xylenes*	<0.150	0.150	01/26/2024	ND	7.25	121	6.00	11.2	
Total BTEX	<0.300	0.300	01/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/26/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 20 - 6 FT (H240343-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.22	111	2.00	2.26	
Toluene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.44	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	6.82	114	6.00	2.40	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	01/26/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 20 - EW (H240343-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.22	111	2.00	2.26	
Toluene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.44	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	6.82	114	6.00	2.40	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	01/26/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *133 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 21 - SURFACE (H240343-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.22	111	2.00	2.26	
Toluene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.44	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	6.82	114	6.00	2.40	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/26/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *87.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/25/2024	Sampling Date:	01/24/2024
Reported:	01/30/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CS 21 - EW (H240343-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/25/2024	ND	2.22	111	2.00	2.26	
Toluene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.44	
Ethylbenzene*	<0.050	0.050	01/25/2024	ND	2.25	112	2.00	2.53	
Total Xylenes*	<0.150	0.150	01/25/2024	ND	6.82	114	6.00	2.40	
Total BTEX	<0.300	0.300	01/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/26/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	174	87.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	179	89.7	200	0.0831	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					

Surrogate: 1-Chlorooctane *55.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *65.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

		BILL TO	
Company Name:	Safety and Environmental Solutions	P.O. #:	
Project Manager:	Bob Allen	Company:	Same
Address:	703 East Clinton, PO Box 1613	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	575 397-0510 Fax #: 575 393-4388	City:	
Project #:	ATC-22-002 Project Owner:	State: Zip:	
Project Name:	Hayhurst	Phone #:	
Project Location:	Malaga	Fax #:	
Sampler Name:	R. Martinez		

ANALYSIS REQUEST: BTEX; TPH 8015; Chlorides

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME
H240343 1	Excavation 1 WW #1	G	1			X					X		1-24-24	0830
2	CS 19-Left	G	1										1-24-24	1120
3	CS 19-EW	G	1										1-24-24	1100
4	CS 20-Left	G	1			X					X		1-24-24	1215
5	CS 20-EW	G	1										1-24-24	1145
6	CS 21-Surface	G	1										1-24-24	1250
7	CS 21-EW	G	1			X					X		1-24-24	1230

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Relinquished By:	Date: 1/25/24	Received By:	Phone Result: ☑ Yes ☐ No	Add'l Phone #: 575 397 0510
	Time: 0900		Fax Result: ☐ Yes ☐ No	Add'l Fax #:
Relinquished By:	Date: 1/25/24	Received By:	REMARKS:	
	Time: 1317		[redacted]	
Delivered By: (Circle One)	#140	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	2.7c			

ballen@sesi-nm.com
R.martinez@sesi-nm.com
Office2@sesi-nm.com
Fcantu@sesi-nm.com
Able@sesi-nm.com
Abayer@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 05, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 01/31/24 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 2 4' (H240451-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	215	108	200	0.456	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	207	104	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *96.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 22 EW (H240451-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**864**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	215	108	200	0.456	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	207	104	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *98.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 23 4' (H240451-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	215	108	200	0.456	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	207	104	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 23 EW (H240451-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	191	95.3	200	5.96	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	190	94.9	200	6.90	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *89.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.7 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 24 4' (H240451-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	191	95.3	200	5.96	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	190	94.9	200	6.90	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *90.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.2 %* *49.1-148*

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 24 EW (H240451-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	191	95.3	200	5.96	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	190	94.9	200	6.90	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *89.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.4 %* *49.1-148*

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 25 4' (H240451-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *75.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *70.4 %* *49.1-148*

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 25 EW (H240451-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *82.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.7 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 26 4' (H240451-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *59.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *54.8 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: CONFIRMATION SAMPLE 26 EW (H240451-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *86.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.4 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EXCAVATION 1 CS 1B (H240451-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *98.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.7 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EXCAVATION 1 CS WW 2 (H240451-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *85.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.6 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EXCAVATION 1 CS EW 1 (H240451-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	02/01/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *97.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.4 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	01/31/2024	Sampling Date:	01/29/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Shalyn Rodriguez
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: EXCAVATION 1 CS EW 2 (H240451-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.03	
Toluene*	<0.050	0.050	02/01/2024	ND	2.11	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.09	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.32	105	6.00	3.32	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1360**	16.0	02/01/2024	ND	416	104	400	0.00	QM-07

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	200	100	200	6.47	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	196	97.9	200	2.96	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

		BILL TO	
Company Name:	Safety and Environmental Solutions	P.O. #:	
Project Manager:	Bob Allen	Company:	Same
Address:	703 East Clinton, PO Box 1613	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	575 397-0510 Fax #: 575 393-4388	City:	
Project #:	ATK-22-002 Project Owner:	State: Zip:	
Project Name:	Hay Hurst	Phone #:	
Project Location:		Fax #:	
Sampler Name:	R. Martinez		

FOR LAB USE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH 8015	Chlorides
H240457	~~Confirmation Sample~~	~~#~~																
1	Confirmation Sample	22 4ft	G	1			X					X		1-29-24	0830	X	X	X
2	"	" 22 EW	G	1										1-29-24	910			
3	"	" 23 4ft	G	1										1-29-24	0935			
4	"	" 23 EW	G	1										1-29-24	0950	X		
5	"	" 24 4ft	G	1										1-29-24	1020		X	
6	"	" 24 EW	G	1										1-29-24	1045			X
7	"	" 25 4ft	G	1										1-29-24	1105			
8	"	" 25 EW	G	1										1-29-24	1125			
9	"	" 26 4ft	G	1										1-29-24	1155			
10	"	" 26 EW	G	1			X					X		1-29-24	1230	X	X	X

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Relinquished By:	Date: 1/31/24	Received By:	Phone Result: ☒ Yes ☐ No	Add'l Phone #:	~~575 397 0510~~
	Time: 8:00		Fax Result: ☐ Yes ☐ No	Add'l Fax #:	
Relinquished By:	Date: 1/31/24	Received By:	REMARKS: ~~Rush~~		
	Time: 1645	Stockpiled	ballen@sesi-nm.com	office2@sesi-nm.com	
Delivered By: (Circle One)	Sample Condition: Cool ~~Yes~~ No; Intact ~~Yes~~ No	CHECKED BY: (Initials)	R.Martinez@sesi-nm.com		
Sampler - UPS - Bus - Other: 5.8 #140			Hable@sesi-nm.com		
			Hbayer@sesi-nm.com		

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Page 973 of 1057

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

		BILL TO	
Company Name:	Safety and Environmental Solutions	P.O. #:	
Project Manager:	Bob Allen	Company:	Same
Address:	703 East Clinton, PO Box 1613	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	575 397-0510 Fax #: 575 393-4388	City:	
Project #:	Ahk-22-002 Project Owner: Ahking Engineering	State: Zip:	
Project Name:	Hayhurst	Phone #:	
Project Location:	Malaga	Fax #:	
Sampler Name:	R. Martinez		

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	BTEX	TPH 8015	Chlorides
H240451																	
11	Excavation 1 CS 1B	G	1			X					X		1-29-24	1320	X	X	X
12	" " CS WW 2	G	1			X					X		1-29-24	1350	X	X	X
13	" " CS EW 1	G	1			X					X		1-29-24	1420	X	X	X
14	" " CS EW 2	G	1			X					X		1-29-24	1455	X	X	X

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Relinquished By:	Date: 1/31/24	Received By:	Phone Result: ☒ Yes ☐ No	Add'l Phone #:	~~575 397 0510~~ BB
Relinquished By:	Time: 8:00		Fax Result: ☐ Yes ☐ No	Add'l Fax #:	
	Date: 1/31/24	Received By:	REMARKS:		
Delivered By: (Circle One)	Time: 1045		[redacted]		
Sampler - UPS - Bus - Other:	58 - #140	Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)		

ballen@sesi-nm.com
R.Martinez@sesi-nm.com
~~Hable@sesi-nm.com~~
dbayer@sesi-nm.com
office2@sesi-nm.com
FCantu@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 09, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 02/06/24 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 28 WALL 4 (H240561-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	02/07/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *70.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 28 FLOOR 3 (H240561-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *68.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.5 %* *49.1-148*

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Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 29 WALL 2 (H240561-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 29 FLOOR 1 (H240561-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 27 FLOOR 1 (H240561-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1550**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *97.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 27 WALL 2 (H240561-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 30 WALL 4 (H240561-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

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Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	01/31/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 30 FLOOR 3 (H240561-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *117 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions
Project Manager:	Bob Allen
Address:	703 East Clinton, PO Box 1613
City:	Hobbs State: NM Zip: 88240
Phone #:	575 397-0510 Fax #: 575 393-4388
Project #:	ATK-22-002 Project Owner:
Project Name:	Haynesy
Project Location:	
Sampler Name:	R. Martinez

BILL TO

P.O. #:	
Company:	Same
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE (2024)	TIME	BTEX	TPH 8015	Chlorides
H240561	28 Wall 4	G	1			X					X		1/31	2:08	X	X	X
1	28 Floor 3	"	"			"								2:10	"	"	"
2	29 Wall 2	"	"			"								2:15			
3	29 Floor 1	"	"			"								2:18			
4	27 Floor 1	"	"			"								2:20			
5	27 Wall 2	"	"			"								2:21			
6	30 Wall 4	"	"			"								2:24			
7	30 Floor 3	G	1			X					X		1/31	2:24	X	X	X
8																	

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Relinquished By:	Date: 2/6/24	Received By:	
	Time: 1635		
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One) #140
Sampler - UPS - Bus - Other: 3.4°

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☑ Yes ☐ No	☑ Yes ☐ No	V.O.

Phone Result: ☐ Yes ☑ No Add'l Phone #:
Fax Result: ☐ Yes ☑ No Add'l Fax #:

REMARKS:
Ballen@Sesi-NM.com
RMartinez@Sesi-NM.com
dbonea@sesi-nm.com
office2@Sesi-NM.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 09, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: HAYHURST

Enclosed are the results of analyses for samples received by the laboratory on 02/06/24 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 27 NW 4 (H240562-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *118 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *127 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 28 NW 3 (H240562-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 29 NW 2 (H240562-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *98.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 30 NW 1 (H240562-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *91.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 27 SW 4 (H240562-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 28 SW 3 (H240562-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.442	
Toluene*	<0.050	0.050	02/07/2024	ND	2.11	106	2.00	0.00303	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	2.09	105	2.00	0.0724	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	6.12	102	6.00	0.00756	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 29 SW 2 (H240562-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	1.93	96.5	2.00	8.00	
Toluene*	<0.050	0.050	02/07/2024	ND	1.95	97.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	1.93	96.6	2.00	7.92	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	5.82	97.0	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 30 SW 1 (H240562-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	1.93	96.5	2.00	8.00	
Toluene*	<0.050	0.050	02/07/2024	ND	1.95	97.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	1.93	96.6	2.00	7.92	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	5.82	97.0	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 27 FLOOR - 2 FT (H240562-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	1.93	96.5	2.00	8.00	
Toluene*	<0.050	0.050	02/07/2024	ND	1.95	97.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	1.93	96.6	2.00	7.92	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	5.82	97.0	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Safety & Environmental Solutions
Bob Allen
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/06/2024	Sampling Date:	02/05/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	HAYHURST	Sampling Condition:	Cool & Intact
Project Number:	ATK-22-002	Sample Received By:	Tamara Oldaker
Project Location:	ATKINS ENGIN. - MALAGA NM		

Sample ID: 28 FLOOR - 2 FT (H240562-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2024	ND	1.93	96.5	2.00	8.00	
Toluene*	<0.050	0.050	02/07/2024	ND	1.95	97.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	02/07/2024	ND	1.93	96.6	2.00	7.92	
Total Xylenes*	<0.150	0.150	02/07/2024	ND	5.82	97.0	6.00	7.81	
Total BTEX	<0.300	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/07/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	196	97.8	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Safety and Environmental Solutions
Project Manager:	Bob Allen
Address:	703 East Clinton, PO Box 1613
City:	Hobbs State: NM Zip: 88240
Phone #:	575 397-0510 Fax #: 575 393-4388
Project #:	ATK-22-002 Project Owner:
Project Name:	Hayhurst
Project Location:	
Sampler Name:	Fabian Cantu

BILL TO

P.O. #:	
Company:	Same
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX	TPH 8015	Chlorides
H240562																	
1	27 NW 4	G	1			X					X		2-5-24	10:59	X	X	X
2	28 NW 3	G	1			X					X		2-5-24	11:01	X	X	X
3	29 NW 2	G	1			X					X		2-5-24	11:02	X	X	X
4	30 NW 1	G	1			X					X		2-5-24	11:04	X	X	X
5	27 SW 4	G	1			X					X		2-5-24	11:13	X	X	X
6	28 SW 3	G	1			X					X		2-5-24	11:11	X	X	X
7	29 SW 2	G	1			X					X		2-5-24	11:09	X	X	X
8	30 SW 1	G	1			X					X		2-5-24	1:45	X	X	X
9	27 floor -2FT	G	1			X					X		2-5-24	9:55	X	X	X
10	28 floor -2FT	G	1			X					X		2-5-24	10:00	X	X	X

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Relinquished By:	Date: 2-5-24	Received By:	
Fabian Cantu	Time: 6:30PM		
Relinquished By:	Date: 2/6/24	Received By:	
	Time: ~~7:00~~ 1635		
Delivered By: (Circle One)		Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	3.4c	#140	TB

Phone Result: ☐ Yes ☑ No Add'l Phone #:
Fax Result: ☐ Yes ☑ No Add'l Fax #:
REMARKS:
Ballen@sesi-nm.com office2@sesi-nm.com
rmartinez@sesi-nm.com
Hable@sesi-nm.com
Dboyer@sesi-nm.com

Received by OCD: 6/4/2025 9:31:28 AM

Released to Imaging: 6/16/2025 9:10:05 AM

Report to:

Austin Weyant

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	HAYHURST PAD 10
Work Order:	E409091
Job Number:	20071-0001
Received:	9/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/19/24

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: HAYHURST PAD 10
Workorder: E409091
Date Received: 9/13/2024 7:45:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: HAYHURST PAD 10.

The analytical test results summarized in this report with the Project Name: HAYHURST PAD 10 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	09/19/24 11:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S24	E409091-01A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S23	E409091-02A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S22	E409091-03A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S21	E409091-04A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S20	E409091-05A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S19	E409091-06A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S18	E409091-07A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S17	E409091-08A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S16	E409091-09A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S15	E409091-10A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S14	E409091-11A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S13	E409091-12A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S12	E409091-13A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S11	E409091-14A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S10	E409091-15A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S9	E409091-16A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S8	E409091-17A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S7	E409091-18A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S6	E409091-19A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S5	E409091-20A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S4	E409091-21A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S3	E409091-22A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S2	E409091-23A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
S1	E409091-24A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S24

E409091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*89.0 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**2680**	100	5	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S23

E409091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*89.5 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**419**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S22

E409091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*79.6 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**363**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*85.8 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**2190**	40.0	2	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**1480**	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**1880**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*84.7 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**4370**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*86.4 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**2580**	40.0	2	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*85.6 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**317**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S15

E409091-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*86.8 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**2390**	100	5	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*86.9 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**425**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**3180**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S12

E409091-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*86.7 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**2140**	40.0	2	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S11

E409091-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*87.8 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**3230**	40.0	2	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S10

E409091-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*86.0 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**697**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*87.4 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	**3290**	200	10	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*84.6 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	ND	100	5	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*84.0 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*83.4 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2437073
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437093
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/18/24	
Surrogate: n-Nonane		*84.1 %*	*50-200*	*09/13/24*	*09/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2437094
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437092
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/15/24	
Surrogate: n-Nonane		*91.1 %*	*50-200*	*09/13/24*	*09/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*90.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*90.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437092
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/15/24	
Surrogate: n-Nonane		*88.0 %*	*50-200*	*09/13/24*	*09/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

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E409091-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*92.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*92.8 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437092
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/15/24	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*09/13/24*	*09/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	20.0	1	09/13/24	09/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

S1

E409091-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Benzene	ND	0.0250	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*92.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2437074
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		*92.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*09/13/24*	*09/13/24*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*09/13/24*	*09/13/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2437092
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/24	09/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/13/24	09/15/24	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*09/13/24*	*09/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2437096
Chloride	ND	20.0	1	09/13/24	09/13/24	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437074-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.457*		*0.500*		*91.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2437074-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	2.16	0.0250	2.50		86.5	70-130			
Ethylbenzene	2.24	0.0250	2.50		89.6	70-130			
Toluene	2.37	0.0250	2.50		94.7	70-130			
o-Xylene	2.35	0.0250	2.50		94.1	70-130			
p,m-Xylene	4.71	0.0500	5.00		94.2	70-130			
Total Xylenes	7.06	0.0250	7.50		94.2	70-130			
Surrogate: Bromofluorobenzene	*0.458*		*0.500*		*91.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
Matrix Spike (2437074-MS1)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	2.14	0.0250	2.50	ND	85.6	48-131			
Ethylbenzene	2.22	0.0250	2.50	ND	88.7	45-135			
Toluene	2.34	0.0250	2.50	ND	93.8	48-130			
o-Xylene	2.36	0.0250	2.50	ND	94.6	43-135			
p,m-Xylene	4.72	0.0500	5.00	ND	94.4	43-135			
Total Xylenes	7.09	0.0250	7.50	ND	94.5	43-135			
Surrogate: Bromofluorobenzene	*0.464*		*0.500*		*92.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			
Matrix Spike Dup (2437074-MSD1)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	2.13	0.0250	2.50	ND	85.1	48-131	0.609	23	
Ethylbenzene	2.21	0.0250	2.50	ND	88.5	45-135	0.271	27	
Toluene	2.31	0.0250	2.50	ND	92.5	48-130	1.33	24	
o-Xylene	2.41	0.0250	2.50	ND	96.5	43-135	1.99	27	
p,m-Xylene	4.79	0.0500	5.00	ND	95.8	43-135	1.41	27	
Total Xylenes	7.20	0.0250	7.50	ND	96.0	43-135	1.60	27	
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.3*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437073-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.5*	*70-130*			
LCS (2437073-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.1	70-130			
Toluene	4.87	0.0250	5.00		97.3	70-130			
o-Xylene	4.75	0.0250	5.00		94.9	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.4	0.0250	15.0		96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.07*		*8.00*		*101*	*70-130*			
Matrix Spike (2437073-MS1)				**Source: E409091-09**					Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	4.17	0.0250	5.00	ND	83.5	54-133			
Ethylbenzene	4.01	0.0250	5.00	ND	80.2	61-133			
Toluene	4.10	0.0250	5.00	ND	82.1	61-130			
o-Xylene	4.00	0.0250	5.00	ND	80.1	63-131			
p,m-Xylene	8.18	0.0500	10.0	ND	81.8	63-131			
Total Xylenes	12.2	0.0250	15.0	ND	81.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.9*	*70-130*			
Matrix Spike Dup (2437073-MSD1)				**Source: E409091-09**					Prepared: 09/13/24 Analyzed: 09/13/24
Benzene	4.94	0.0250	5.00	ND	98.8	54-133	16.8	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	61-133	17.0	20	
Toluene	4.86	0.0250	5.00	ND	97.2	61-130	16.9	20	
o-Xylene	4.75	0.0250	5.00	ND	95.0	63-131	17.0	20	
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131	16.9	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.3	63-131	16.9	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.9*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437073-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			
LCS (2437073-BS2)									Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		87.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			
Matrix Spike (2437073-MS2)				**Source: E409091-09**					Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			
Matrix Spike Dup (2437073-MSD2)				**Source: E409091-09**					Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.9	70-130	2.29	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437074-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.457*		*0.500*		*91.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
LCS (2437074-BS2)									Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.6	70-130			
Surrogate: Bromofluorobenzene	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.4*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
Matrix Spike (2437074-MS2)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130			
Surrogate: Bromofluorobenzene	*0.478*		*0.500*		*95.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.471*		*0.500*		*94.2*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2437074-MSD2)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	4.01	20	
Surrogate: Bromofluorobenzene	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437092-BLK1)									Prepared: 09/13/24 Analyzed: 09/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.9*		*50.0*		*89.8*	*50-200*			
LCS (2437092-BS1)									Prepared: 09/13/24 Analyzed: 09/15/24
Diesel Range Organics (C10-C28)	214	25.0	250		85.7	38-132			
Surrogate: n-Nonane	*46.0*		*50.0*		*92.1*	*50-200*			
Matrix Spike (2437092-MS1)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/15/24
Diesel Range Organics (C10-C28)	213	25.0	250	ND	85.3	38-132			
Surrogate: n-Nonane	*46.7*		*50.0*		*93.4*	*50-200*			
Matrix Spike Dup (2437092-MSD1)				**Source: E409092-06**					Prepared: 09/13/24 Analyzed: 09/15/24
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.8	38-132	7.35	20	
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437093-BLK1)									Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.2*		*50.0*		*86.4*	*50-200*			
LCS (2437093-BS1)									Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	176	25.0	250		70.5	38-132			
Surrogate: n-Nonane	*45.4*		*50.0*		*90.8*	*50-200*			
Matrix Spike (2437093-MS1)				**Source: E409091-11**					Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	198	25.0	250	ND	79.4	38-132			
Surrogate: n-Nonane	*45.4*		*50.0*		*90.7*	*50-200*			
Matrix Spike Dup (2437093-MSD1)				**Source: E409091-11**					Prepared: 09/13/24 Analyzed: 09/18/24
Diesel Range Organics (C10-C28)	190	25.0	250	ND	76.1	38-132	4.27	20	
Surrogate: n-Nonane	*45.5*		*50.0*		*91.0*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437094-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437094-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2437094-MS1)				**Source: E409091-01**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	2820	100	250	2680	58.0	80-120			M4
Matrix Spike Dup (2437094-MSD1)				**Source: E409091-01**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	2830	100	250	2680	61.4	80-120	0.306	20	M4

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/19/2024 11:43:26AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2437096-BLK1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	ND	20.0							
LCS (2437096-BS1)									Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2437096-MS1)				**Source: E409093-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	751	20.0	250	466	114	80-120			
Matrix Spike Dup (2437096-MSD1)				**Source: E409093-05**					Prepared: 09/13/24 Analyzed: 09/13/24
Chloride	708	20.0	250	466	96.9	80-120	5.82	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	HAYHURST PAD 10	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	09/19/24 11:43

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 6/16/2025 9:10:05 AM

Received by OCD: 6/4/2025 9:31:28 AM

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Atkins	Attention:	Lab WO# E409091	Job Number 20071.0001	ID 2D 3D Std: Std X	NM CO UT TX: NM x
Project Name: ~~Bootleg SWD~~ HAYHURST PAD 10	Address:			
Project Manager: Austin Weyant	City, State, Zip:			
Address: 2904 W 2nd	Phone:			
City, State, Zip: Roswell	Email:			
Phone: 575-626-3993	Miscellaneous:			
Email: sampling@atkinseng.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY	Remarks
9/11 JW	10:27	S	1	S24		1	x	x	X	X		x						
10:33	9/11			S23		2	x	x	X	X		x						
10:39	9/11			S22		3	x	x	X	X		x						
10:44	9/11			S21		4	x	x	X	X		x						
10:41	9/11			S20		5	x	x	X	X		x						
10:53	9/11			S19		6	x	x	X	X		x						
10:50	9/11			S18		7	x	x	X	X		x						
10:59	9/11			S17		8	x	x	X	X		x						
11:03	9/11			S16		9	x	x	X	X		x						
11:05	9/11	↓	↓	S15		10	x	x	X	X		x						

Analysis and Method	EPA Program
	SDWA CWA RCRA
	Compliance Y or N
	PWSID #

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
Sampled by: JW

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/11/24	14:04	Michelle Gonzales	9.11.24	1707
Michelle Gonzales	9-13-24	0220		9/13/24	7:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech

Released to Imaging: 6/16/2025 9:10:05 AM
Received by OCD: 6/4/2025 9:31:28 AM

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Atkins	Attention:	Lab WO# E409091	Job Number 20071-0001	1D 2D 3D Std: X	NM CO UT TX: x
Project Name: ~~Bandit SWD~~ HAWKSTEAD SD	Address:			
Project Manager: Austin Weyant	City, State, Zip:			
Address: 2904 W 2nd	Phone:			
City, State, Zip: Roswell	Email:			
Phone: 575-626-3993	Miscellaneous:			
Email: sampling@atkinseng.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY	Remarks
11:12	9/11	S	1	S14		11	x	x	X			x						
11:14	9/11			S13		12	x	x	X			x						
11:17	9/11			S12		13	x	x	X			x						
11:20	9/11			S11		14	x	x	X			x						
11:25	9/11			S10		15	x	x	X			x						
11:28	9/11			S9		16	x	x	X			x						
11:30	9/11			S8		17	x	x	X			x						
11:33	9/11			S7		18	x	x	X			x						
11:35	9/11			S6		19	x	x	X			x						
11:36	9/11	↓	↓	S5		20	x	x	X			x						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

	Date	Time		Date	Time
Relinquished by: (Signature)	9/11/24	14:04	Received by: (Signature) Michelle Gonzales	9-11-24	1707
Relinquished by: (Signature) Michelle Gonzales	9-13-24	0220	Received by: (Signature)	9/13/24	7:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Released to Imaging: 6/16/2025 9:10:05 AM
Received by OCD: 6/4/2025 9:31:28 AM

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Atkins	Attention:	Lab WO# E409091	Job Number 20071-0001	1D 2D 3D Std: X	NM CO UT TX: x
Project Name: Bandit SWD	Address:			
Project Manager: Austin Weyant	City, State, Zip:			
Address: 2904 W 2nd	Phone:			
City, State, Zip: Roswell	Email:			
Phone: 575-626-3993	Miscellaneous:			
Email: sampling@atkinseng.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY	Remarks
11:38	9/11	S	1	S4		21	X	X	X			X						
11:39	9/11	S	1	S3		22	X	X	X			X						
11:42	9/11	S	1	S2		23	X	X	X			X						
11:45	9/11	S	1	S1		24	X	X	X			X						
							X	X	X			X						
							X	X	X			X						
							X	X	X			X						
							X	X	X			X						
							X	X	X			X						
							X	X	X			X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/11/24	14:04	Michelle Gonzales	9-11-24	1707
Michelle Gonzales	9-13-24	0220	Cath Mar	9/13/24	7:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/13/2024 8:59:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	09/13/24 07:45	Work Order ID:	E409091
Phone:	(575) 626-3993	Date Logged In:	09/12/24 12:49	Logged In By:	Caitlin Mars
Email:	austin@atkinseng.com	Due Date:	09/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

From: Ashton Thielke
To: Wells, Shelly, EMNRD
Subject: [EXTERNAL] RE: NAPP2211730678 HAYHURST PAD 10 Questions
Date: Sunday, June 15, 2025 7:45:38 PM
Attachments: image001.png
Ammended Photolog - Hayhurst Pad 10 - NAPP2211730678.pdf

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

Good evening Shelly, I hope you had a great weekend.
Please see the attached amended photolog to address your comments. This would go in place of

1. Photo No. 2 – Yes, I instructed my field staff to collect a five-point composite floor sample to represent the area of S-9, which became the sample CS-2. That area was no larger than 400sqft (~192sqft).
2. Attached is an amended photolog that shows additional photos of S-10, S-11, & S-12. (Photograph No. 7-9)

- Please see photo 8 of the attachment, the area on the right side (east side) of the pipeline was excavated to a depth of 5.0'. Per Chevron safety requirements, we had to expose the entire pipeline before mechanically digging over top of it. Field titrations and the initial site assessment showed that contamination was left in place on the right side (east side) of the pipeline. Composite confirmation floor and sidewall samples were collected from the area to not represent an area greater than 400sqft at a depth of 5.0'.

3. S-21, S-57 and EX 1, and CS EW 2 – Photos 10 & 11 have been added to the amended photolog. The previous Photo 8 was a terrible mistake on my end. During my revision process, I did not catch this and I sincerely apologize.

We are more than happy to resubmit the closure report with the amended photolog if that is something you would like to see.
If you have any additional questions or comments, feel free to reach out to me so that we can address these concerns immediately.

Thanks!

Ashton Thielke
Environmental 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

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, June 12, 2025 5:04 PM
To: Ashton Thielke <ThielkeA@carmonaresources.com>
Subject: NAPP2211730678 HAYHURST PAD 10 Questions

Hi Ashton,

I am reviewing the remediation closure report submitted for NAPP2211730678 HAYHURST PAD 10 and have a few questions for you. For the area of S-9 which then became CS-2, was material collected from the soil left in place beneath the pipeline on either side and included in sidewall samples? For S-10 through S-12, do you have a better photo showing that indeed it was excavated to 5' depth? This one looks shallow to me. If you did not excavate deeper than 4' you were sampling backfill material from the previous excavation. S-21, S-57 and EX 1 CS EW 2 do you have a photo of the finished excavation? Photograph No. 8 says it is showing S-20 and what is pictured is not a large enough excavation to be where CS-10 through CS-12 was collected.

I look forward to hearing back from you when you have the time.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 1

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

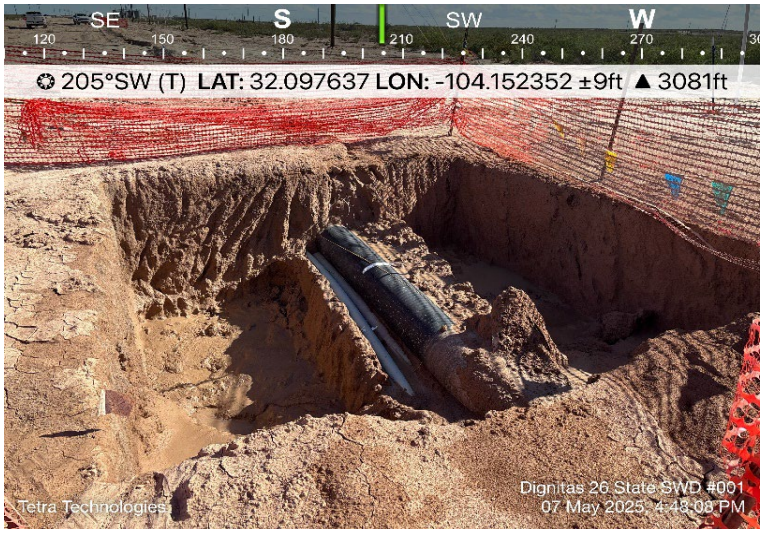
Description:
View Northwest, Excavated area of S-24 and S-60
Sample: CS-1

Photograph No. 2

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Southwest, Excavated area of S-9
Sample: CS-2

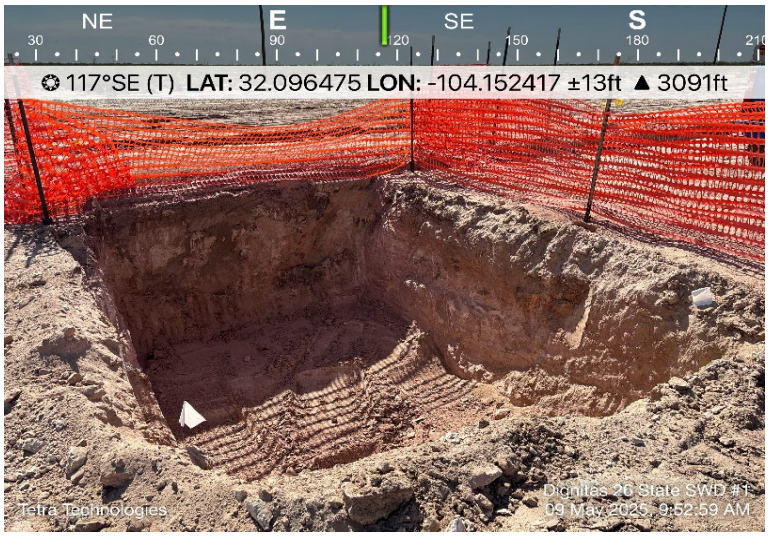


Photograph No. 3

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Southeast, Excavated area of S-13
Sample: CS-3



CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 4

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Northwest, Excavated area of S-15
Sample:CS-4

Photograph No. 5

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Southwest, Excavated area of CS-22 EW.
Sample: CS-5

Photograph No. 6

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Northeast, Excavated area of S-42.
Sample: CS-6

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 7

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Northeast, Excavated area of S-10,S-11 and S-12. Sample: CS-7,CS-8 CS-9

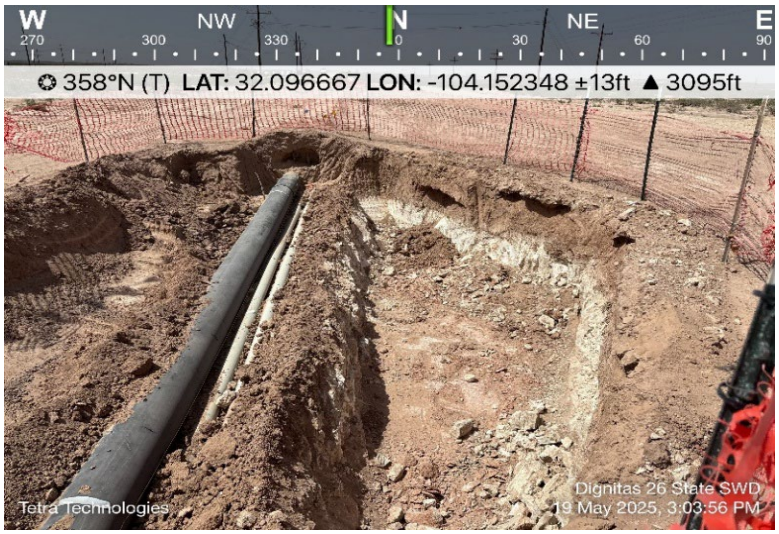
.

Photograph No. 8

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View North, Excavated area of S-10,S-11 and S-12. Sample: CS-7,CS-8 CS-9



Photograph No. 9

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View East, Excavated area of S-10,S-11 and S-12. Sample: CS-7,CS-8 CS-9

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 10

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Southeast, Excavated area
S-21, S-57, EX 1, & CS EW 2
Sample: CS-10, CS-11, & CS-12
.

Photograph No. 11

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Southeast, Excavated area
S-21, S-57, EX 1, & CS EW 2
Sample: CS-10, CS-11, & CS-12

Photograph No. 12

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View North, Excavated area of S-17 and S-18
Sample: CS-13 and CS-14

CARMONA RESOURCES

PHOTOGRAPHIC LOG

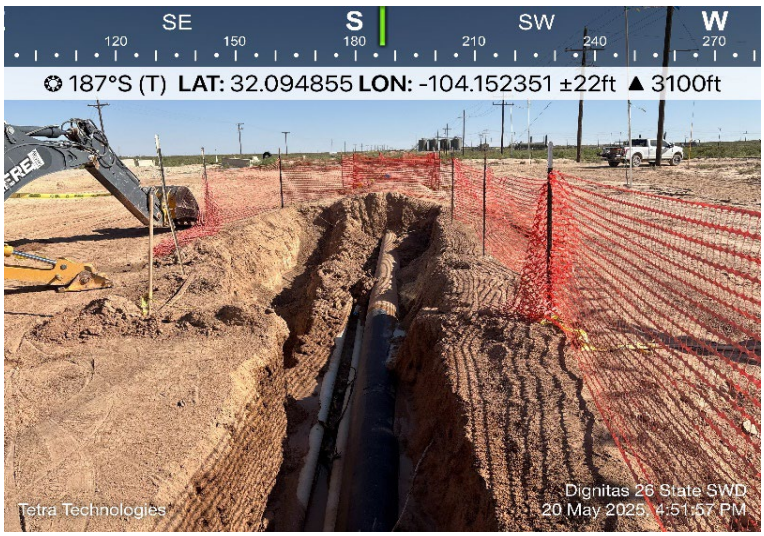
Chevron U.S.A., Inc.

Photograph No. 13

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View South, Excavated area of S-19 and S-20
Sample: CS-15, CS-16, CS-17



Photograph No. 14

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View East, Backfilled area of S-24 and S-60 Sample: CS-1

Photograph No. 15

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View North, Backfilled area of S-9 Sample: CS-2

CARMONA RESOURCES

PHOTOGRAPHIC LOG

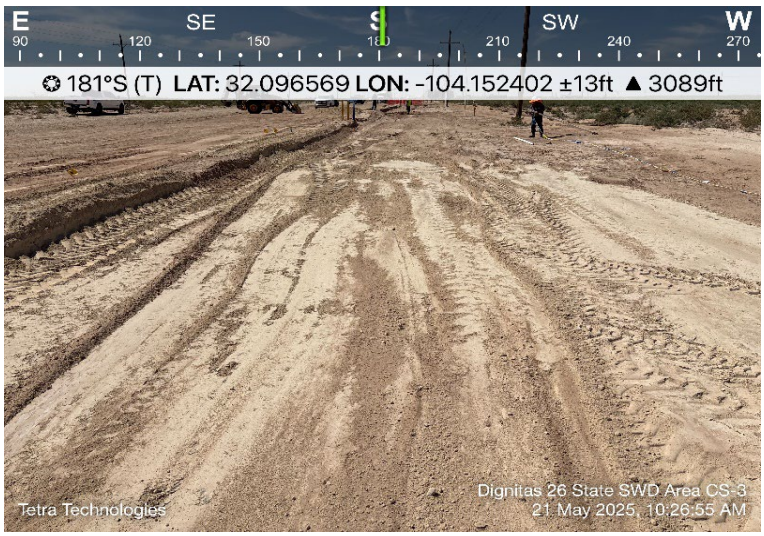
Chevron U.S.A., Inc.

Photograph No. 16

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View South, Backfilled area of S-13
Sample: CS-3



Photograph No. 17

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

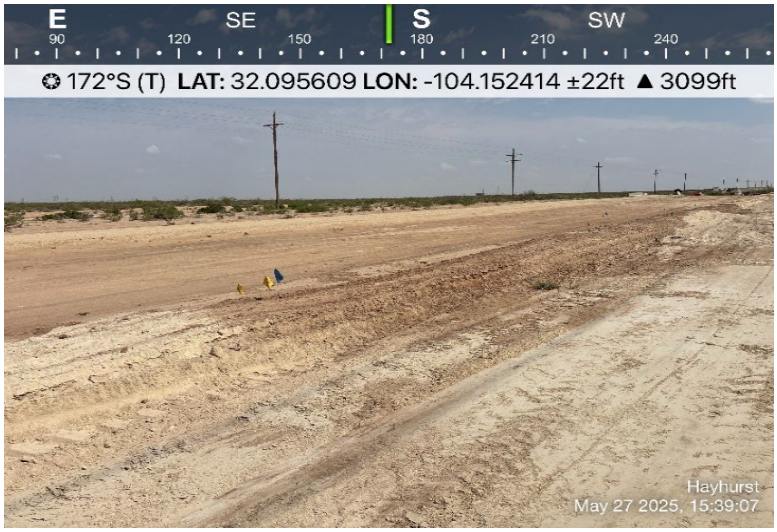
Description:
View North, Backfilled area of S-15 Sample:CS-4

Photograph No. 18

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View South, Backfilled area of CS-22 EW.
Sample: CS-5



CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 19

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View West, Excavated area of
S-17, S-18, S-19, S-20 and S-42.
Sample: CS-6, CS-13 and CS-14

Photograph No. 20

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

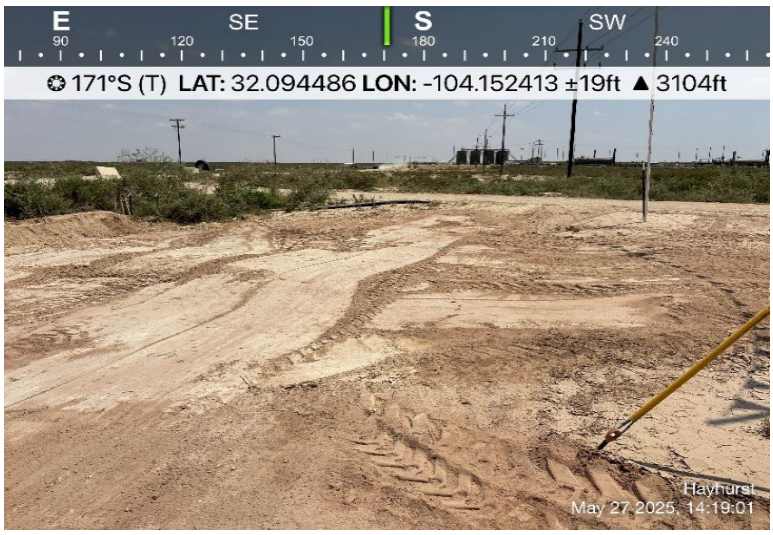
Description:
View North, Excavated area of
S-10,S-11 and S-12.
Sample: CS-7,CS-8 CS-9

Photograph No. 21

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View South ,Excavated area S-
21, S-57, EX 1 CS EW 2
Sample: CS-10,CS-11 CS-12



CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 22

Facility: Hayhurst Pad 10 (04.12.2022)

County: Eddy County, New Mexico

Description:
View Northwest, Excavated area of S-19 and S-20
Sample: CS-15, CS-16, CS-17

CARMONA RESOURCES

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 470622

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 470622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2211730678**
Incident Name	**NAPP2211730678 HAYHURST PAD 10 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fMLB1702342252] HAYHURST SECTIONS 9 & 10 RECYCLING FACILITY**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HAYHURST PAD 10
Date Release Discovered	04/12/2022
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: Equipment Failure | Other (Specify) | Produced Water | Released: 566 BBL | Recovered: 0 BBL | Lost: 566 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	Layflat hose

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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 470622
	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: 06/04/2025

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

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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: 470622
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 500 and 1000 (ft.)
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)	4740
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	04/30/2025
On what date will (or did) the final sampling or liner inspection occur	05/23/2025
On what date will (or was) the remediation complete(d)	05/28/2025
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	2293
What is the estimated volume (in cubic yards) that will be remediated	853
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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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 470622
	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	LEA LAND LANDFILL [fEEM0112342028]
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	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
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: 06/04/2025
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.	

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: 470622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 470622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**461219**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**05/15/2025**
What was the (estimated) number of samples that were to be gathered	**45**
What was the sampling surface area in square feet	**3840**

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	2293
What was the total volume (cubic yards) remediated	853
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)	ROW

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: 06/04/2025

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 470622
	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

Action 470622

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 470622
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	6/16/2025