CARMONA RESOURCES

SITE INFORMATION

Remediation & Reclamation Closure Report
Young, 8709 JV-P #001 Heater Treater (02.20.2019) - nAB1907834716
Young #1 Tank Battery (11.10.2022) - nAPP2231476257
Lea County, New Mexico
Unit A, S11, T18S, R32E
32.7673531°, -103.7294998°

Prepared for:
BTA Oil Producers, LLC
104 S Pecos St.
Midland, Texas 79701

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

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nAB1907834716
Crude Oil & Produced Water Release
Point of Release: The separator vessel leaked due to corrosion.
Release Date: 02.20.2019
Volume Released: 5 Barrels of Crude Oil & 5 Barrels of Produced Water
Volume Recovered: 0 Barrels of Crude Oil & 0 Barrels of Produced Water

nAPP2231476257
Crude Oil Release
Point of Release: The separator vessel leaked due to corrosion.
Release Date: 11.10.2022
Volume Released: 218 Barrels of Crude Oil
Volume Recovered: 100 Barrels of Crude Oil

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March 5, 2026

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

Bureau of Land Management
520 E. Greene Street
Carlsbad, NM 88220

Re: Remediation & Reclamation Closure Report
Young, 8709 JV-P #001 Heater Treater (02.20.2019) - nAB1907834716
Young #1 Tank Battery (11.10.2022) - nAPP2231476257
BTA Oil Producers, LLC
Site Location: Unit A, Sec 11, T18S, R32E
(Lat 32.7673531°, Long -103.7294998°)
Lea County, New Mexico

To whom it may concern:

On behalf of BTA Oil Producers, LLC (BTA), Carmona Resources, LLC has prepared this letter to document remediation and reclamation activities for the YOUNG #001 well pad which contains two (2) releases. The site is located at 32.7673531°, -103.7294998° within Unit A, S11, T18S, R32E in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

nAB1907834716

Based on the Initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 20, 2019, due to corrosion at the separator. It resulted in the release of approximately five (5) barrels of crude oil and five (5) barrels of produced water with no fluid recovered. The release occurred on the pad and migrated into the pasture to the northwest. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

nAPP2231476257

Based on the Initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 10, 2022, due to oil tank failing at the bottom. It resulted in the release of approximately two hundred eighteen (218) barrels of crude oil with one hundred (100) barrels of crude oil recovered. The release occurred on the pad and migrated into the pasture to the southwest. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one (1) groundwater determination bore within a 0.50-mile radius of the location. The nearest groundwater determination bore is approximately 0.04 miles East of the site in S11, T18S, R32E, and was drilled in 2025. The bore was drilled to a depth of 105’ (ft bgs), where no evidence of groundwater was detected. A copy of the associated Summary Report is attached in Appendix D.

Due to multiple arch sites located nearby, the BLM has requested an arch survey to be conducted onsite prior to any site assessment activities taking place in the pasture to the Northwest as part of the “Young, 8709 JV-P #001 Heater Treater (02.20.2019) - nAB1907834716” incident. A survey was conducted in November 2025 with no findings in the direct working area. See Appendix D.

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3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria will be utilized in remediating the site. The standards below are also established for the upper 4 feet within the remediation area:

- 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.

The following criteria will be utilized after 4 feet within the remediation area:

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

4.0 Previous Site Activities

nAB1907834716

Between December 19, 2019 & January 6, 2020, third party contractors performed a site assessment to evaluate soil impacts stemming from the release. A total of ten (10) sample points (SP-1 through SP-10) were advanced to depths ranging from surface to 30' bgs inside the release area to evaluate the vertical extent. 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 Cardinal Laboratories in Hobbs, New Mexico and Hall Environmental Analysis Laboratory in Albuquerque, New Mexico. 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.

Following sample analysis a closure report was submitted for closure. The closure was denied for the following reasons:

1. *The area overlying the old reserve pit needs to meet the reclamation requirements of 19.15.29.13. Further delineation of this area will also need to take place. Though the reserve pit was closed in 2008 under different standards than we have in place today, this recent spill requires the responsible party to comply with our current rules and regulations.*
2. *Depth to water needs to be reasonably determined. The groundwater well referenced in the closure report is over 2 miles away from the site. If you are unable to obtain ground water information (including well construction information) for ground water within a ½ mile radius, a soil bore will need to be drilled to a depth of 51' bgs to confirm the presence/absence of ground water in order to use the depth to ground water >50' closure criteria (the site currently meets this closure criteria, with the exception of the areas needing reclamation). If BTA chooses not to install a soil bore, the closure criteria for depth to ground water <50' will need to be used and applied to the site for closure.*

nAPP2231476257

Between November 16, 2022 and February 6, 2023, third party contractors performed site assessment, remediation, and reclamation activities onsite to address the contamination onsite from the release mentioned above in section 1.0. Following remediation and reclamation activities, a closure report was submitted for review. The closure was conditionally approved with the following request:

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1. *Closure Report Approved. Please note, however, that the depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site and data should be no more than 25 years old. Two points on pad were above criteria, FS03 and FS05, with chloride data >600 mg/kg. Please implement 19.15.29.13 NMAC when completing P&A.*

Both associated closure reports for the incidents mentioned above (nAB1907834716 & nAPP2231476257) can be found in Appendix F with communication attached from the NMOCD.

5.0 Recent Site Assessment Activities

nAB1907834716

On December 9, 2025, Carmona Resources, LLC performed a site assessment to revisit and resample the previously collected data from 2019 incident (nAB1907834716) mentioned above. A total of nine (9) sample points (SP-1 through SP-9) were revisited in the same areas that were previously sampled and were advanced to depths ranging from surface to 5' bgs. During that time, a 105' groundwater determination bore was drilled to verify depth to groundwater. 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 Labs 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. Sample locations are found in Figure 3. Refer to Table 1 for laboratory analysis.

6.0 Remediation Activities

nAB1907834716

Beginning on February 6, 2026, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on February 2, 2026, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas were excavated to depths ranging between 2.5' bgs and 3.5 ft bgs. The areas of SP-1, SP-5, & SP-8 were excavated to a depth of 4.5' bgs. The area of SP-9 was excavated to a depth of 2.5' bgs. A total of twenty-five (25) confirmation floor samples (CS-1 through CS-25) were collected, and fifteen (15) sidewall samples (SW-1 through SW-15) were collected every 200 square feet to ensure the proper removal of the contaminated soil. For chemical analysis, the soil samples were collected and placed into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Labs in Midland, Texas. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All final confirmation and sidewall samples were below the regulatory requirements for TPH, BTEX, and Chloride. Refer to Table 2A. The excavation depth and confirmation sample locations are shown in Figure 4B.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the backfill material was collected for laboratory analysis on February 10, 2026, before being utilized. The backfill material was sourced from a local landowner at 32.782864, -103.696993. Refer to Table 2A. Approximately 4,920 square feet of contamination was remediated, resulting in 820 cubic yards of material being excavated and transported offsite for proper disposal. Following the remediation of the incident area, the entire well pad and access road was reclaimed resulting in approximately 85,000 square feet of reclaimed area.

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nAPP2231476257

Beginning on February 6, 2026, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on February 2, 2026, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area was excavated to a depth 4.5 ft bgs. The previously remediated areas of FS03 & FS05, mentioned in Appendix F, were excavated to a depth of 4.5' bgs. A total of three (3) confirmation floor samples (CS-1 through CS-3) were collected, and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated soil. For chemical analysis, the soil samples were collected and placed into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Labs in Midland, Texas. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All final confirmation and sidewall samples were below the regulatory requirements for TPH, BTEX, and Chloride. Refer to Table 2B. The excavation depth and confirmation sample locations are shown in Figure 4C.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the backfill material was collected for laboratory analysis on February 10, 2026, before being utilized. The backfill material was sourced from a local landowner at 32.782864, -103.696993. Refer to Table 2B. Approximately 570 square feet of contamination was remediated, resulting in 95 cubic yards of material being excavated and transported offsite for proper disposal. Following the remediation of the incident area, the entire well pad and access road was reclaimed resulting in approximately 85,000 square feet of reclaimed area.

7.0 Reclamation Activities

Beginning on February 11, 2026, Carmona Resources and H&R Enterprises, LLC were onsite to backfill the excavated areas and begin reclamation activities. Prior to conducting reclamation activities, all equipment, trash, surface flowlines, and buried pipelines were removed or evacuated and abandoned in place. All caliche from the pad and access road was deep buried inside the previously excavated areas on the well pad and pasture. The caliche on the well pad and access road was previously 1-2 inches thick. Caliche was deep buried to a depth of 2.0' feet from the surface. Topsoil from directly under the caliche pad and access road was pushed up to cap the well pad, access road and pasture to assist in revegetation. The location was contoured to match the surrounding topography. Windrows and hummocks were constructed to promote soil stability and re-vegetation. The entire area was reseeded with BLM #2 LPC seed mix. See Appendix G for seed mix confirmation from the BLM. The estimated reclamation area is ~85,000 square feet. An earthen berm was created between the location and the access road to eliminate traffic from entering the reclaimed area. The earthen berm was also reseeded. Semi-annual inspections (at a minimum) will take place at the location until the native vegetation has been properly established. The site conditions must reflect that the total percentage of plant cover is greater than 70 percent pre-disturbance levels, excluding invasive or noxious weeds. If noxious weeds are identified, the BLM will be contacted promptly to determine an effective eradication method. If the site does not display signs of revegetation after one growing season, the area will be reseeded as deemed appropriate by the BLM.

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8.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). 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

Riley Plogger
Project Manager

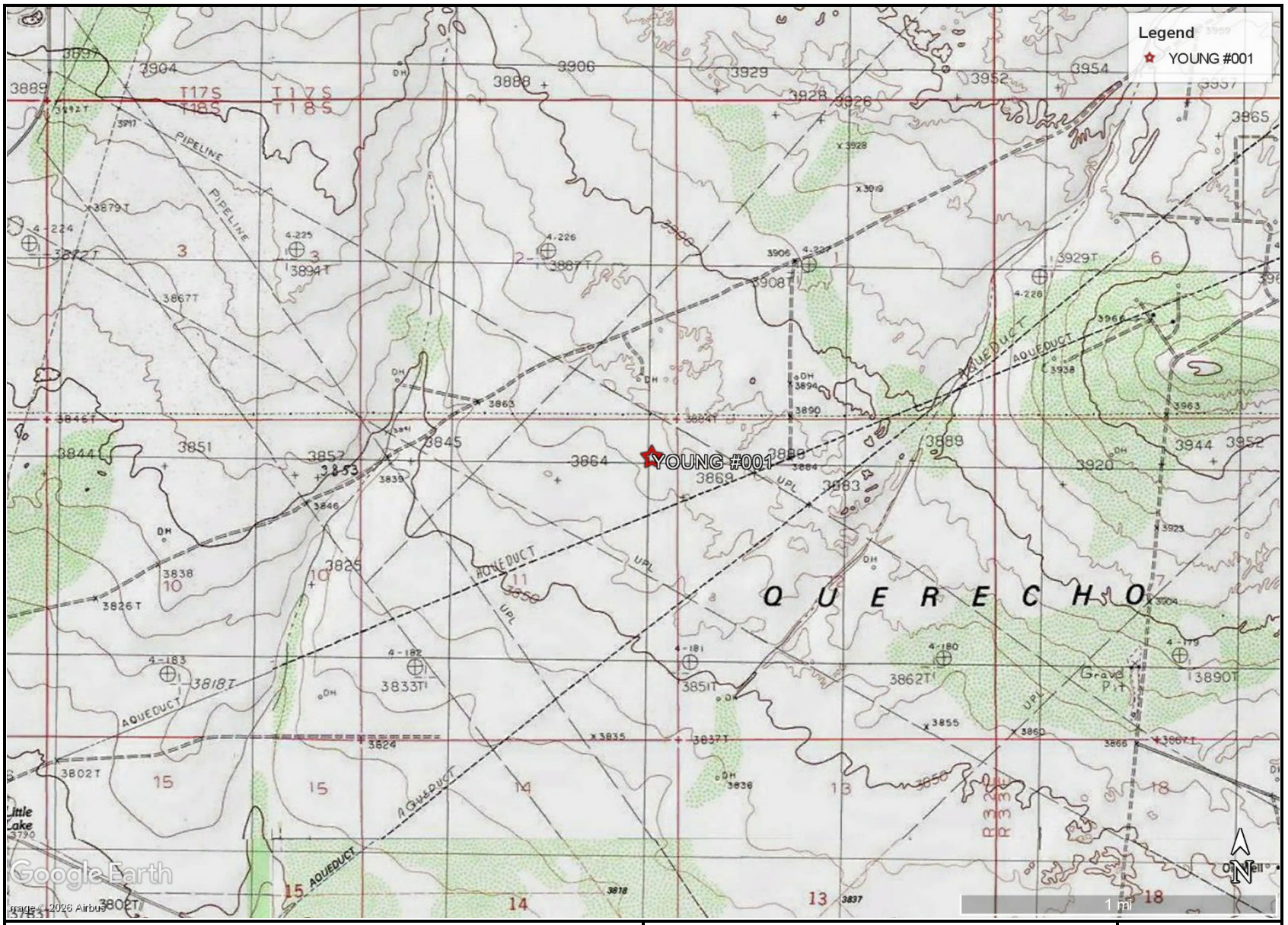
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FIGURES

CARMONA RESOURCES



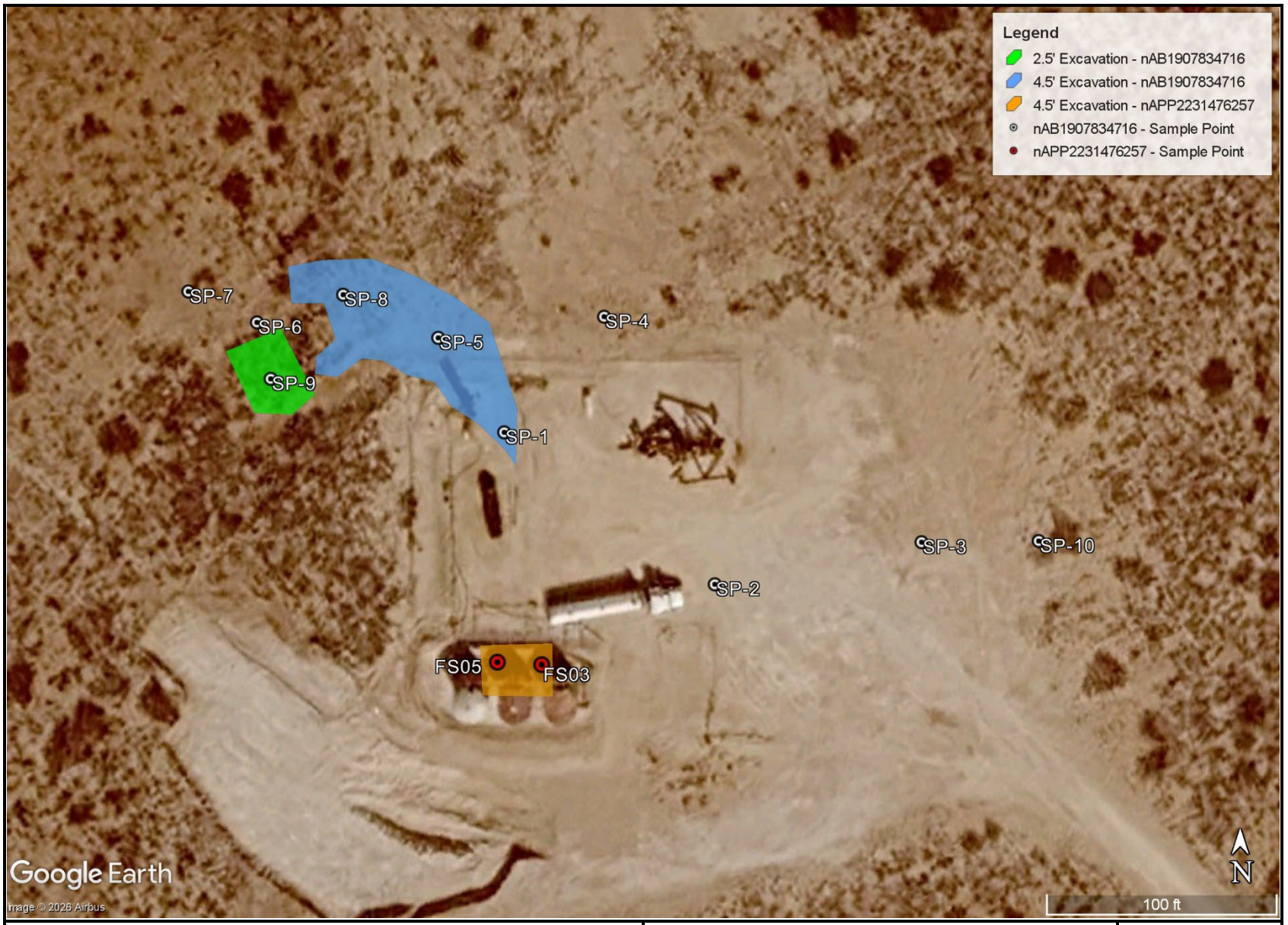
OVERVIEW MAP BTA OIL PRODUCERS, LLC YOUNG, 8709 JV-P #001 & YOUNG #1 TANK BATTERY LEA COUNTY, NEW MEXICO 32.7673531°, -103.7294998°	CARMONA RESOURCES	FIGURE 1



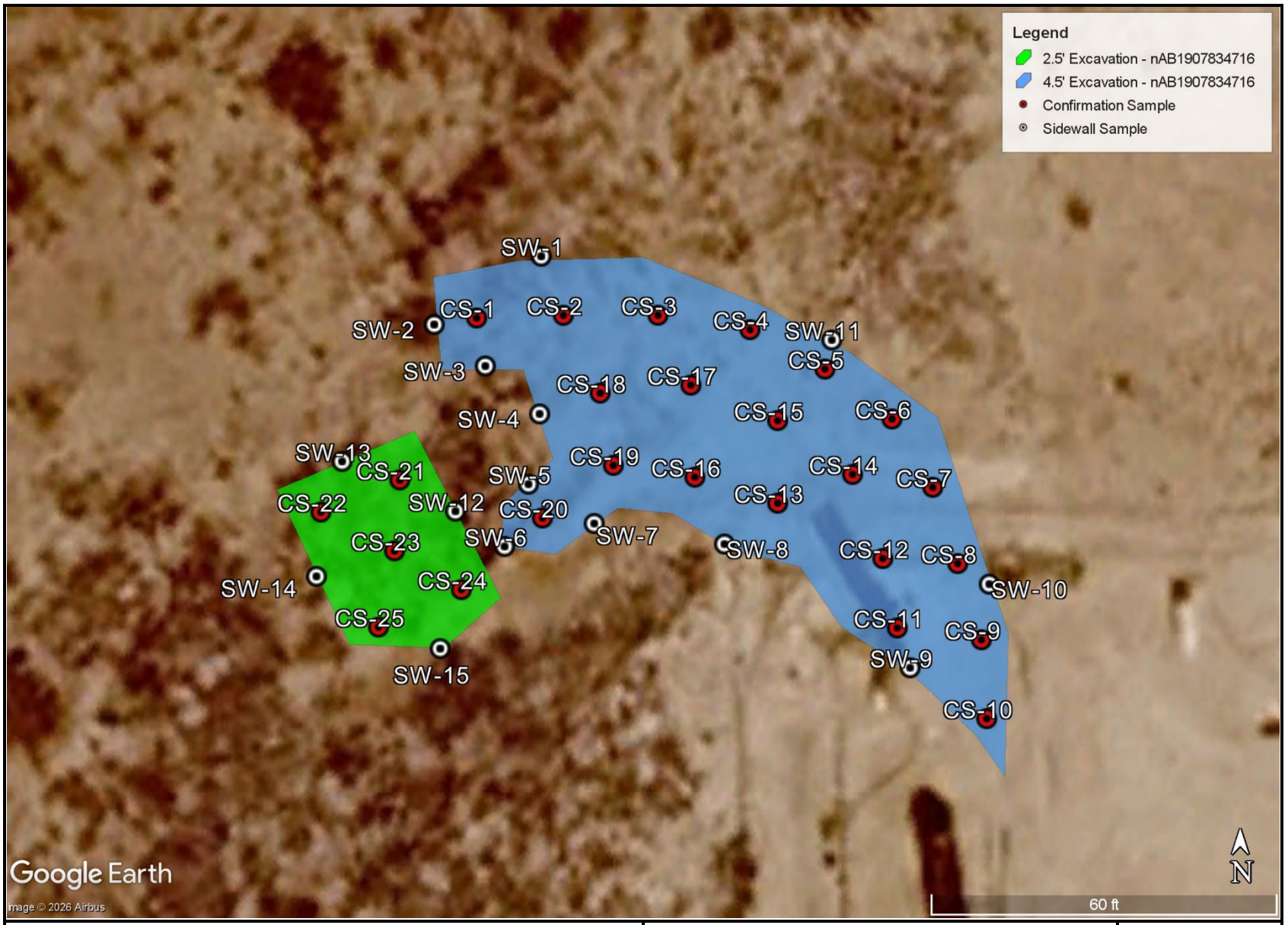
TOPOGRAPHIC MAP BTA OIL PRODUCERS, LLC YOUNG, 8709 JV-P #001 & YOUNG #1 TANK BATTERY LEA COUNTY, NEW MEXICO 32.7673531°, -103.7294998°	CARMONA RESOURCES	FIGURE 2



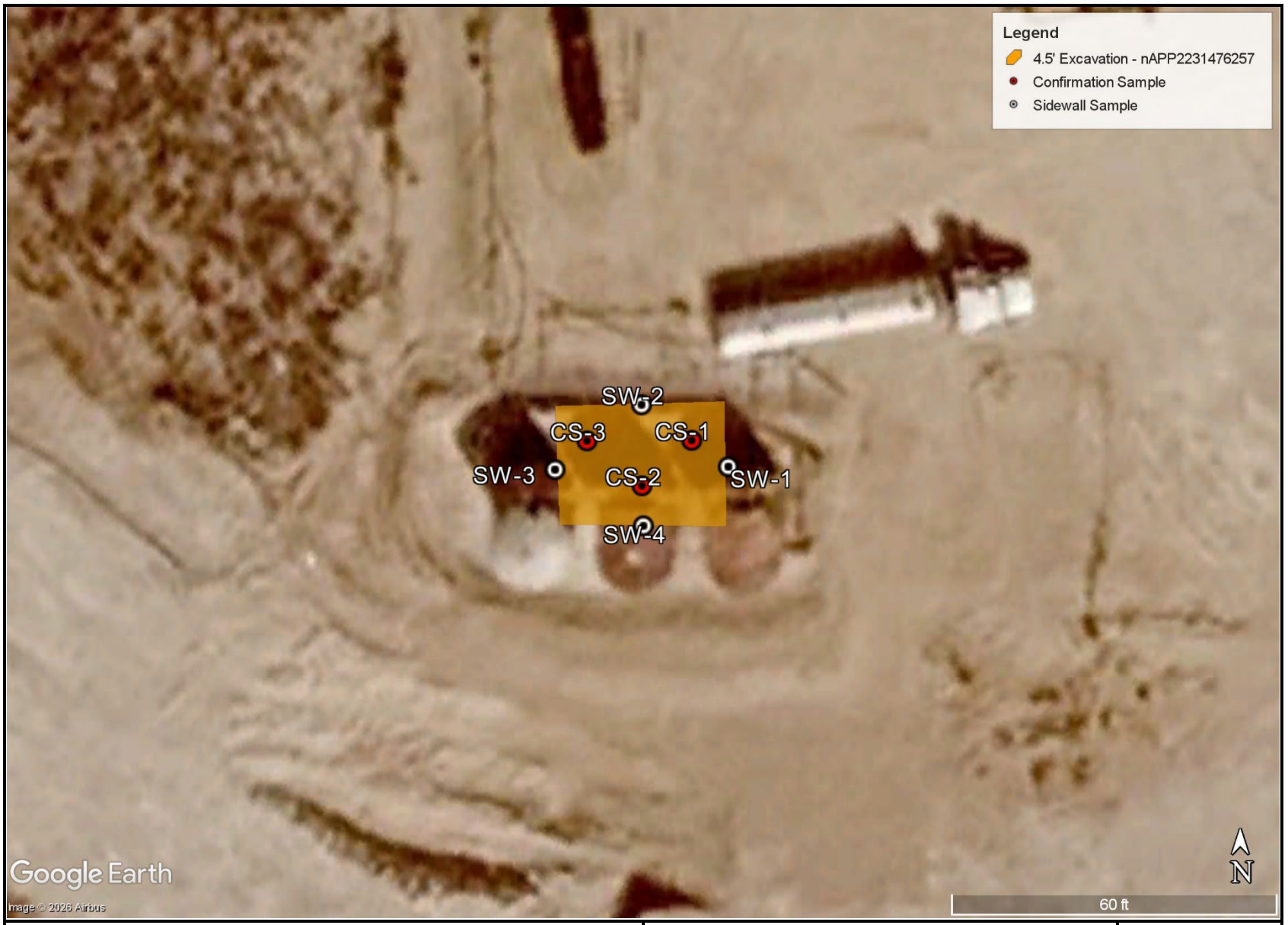
SAMPLE LOCATION MAP BTA OIL PRODUCERS, LLC YOUNG, 8709 JV-P #001 & YOUNG #1 TANK BATTERY LEA COUNTY, NEW MEXICO 32.7673531°, -103.7294998°	CARMONA RESOURCES	FIGURE 3



EXCAVATION DEPTH MAP BTA OIL PRODUCERS, LLC YOUNG, 8709 JV-P #001 & YOUNG #1 TANK BATTERY LEA COUNTY, NEW MEXICO 32.7673531°, -103.7294998°	CARMONA RESOURCES	FIGURE 4a



EXCAVATION DEPTH MAP BTA OIL PRODUCERS, LLC YOUNG, 8709 JV-P #001 & YOUNG #1 TANK BATTERY LEA COUNTY, NEW MEXICO 32.7673531°, -103.7294998°	CARMONA RESOURCES	FIGURE 4b



EXCAVATION DEPTH MAP BTA OIL PRODUCERS, LLC YOUNG, 8709 JV-P #001 & YOUNG #1 TANK BATTERY LEA COUNTY, NEW MEXICO 32.7673531°, -103.7294998°	CARMONA RESOURCES	FIGURE 4c



RECLAMATION MAP BTA OIL PRODUCERS, LLC YOUNG, 8709 JV-P #001 & YOUNG #1 TANK BATTERY LEA COUNTY, NEW MEXICO 32.7673531°, -103.7294998°	CARMONA RESOURCES	FIGURE 5

APPENDIX A

CARMONA RESOURCES



Table 1
BTA OIL PRODUCERS, LLC
YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)
Lea 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						
SP-1	8/12/2019	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	-	-	-	-	-	-	-	-	-	-
	"	2'	-	-	-	-	-	-	-	-	-	9,860
	"	3'	-	-	-	-	-	-	-	-	-	-
	"	4'	-	-	-	-	-	-	-	-	-	-
	"	5'	-	-	-	-	-	-	-	-	-	-
	"	6'	-	-	-	-	-	-	-	-	-	-
	"	7'	-	-	-	-	-	-	-	-	-	-
	"	8'	-	-	-	-	-	-	-	-	-	9,860
SP-1	1/16/2020	8'	<4.7	<9.9	<50	<64.6	<0.024	-	-	-	<0.212	600
	"	12'	<4.9	<9.6	<48	<62.5	<0.024	-	-	-	<0.219	1,200
	"	20'	-	-	-	-	-	-	-	-	-	300
	"	22'	-	-	-	-	-	-	-	-	-	130
SP-1	12/9/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,050**
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,200**
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,960**
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**3,550**
	"	5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,510
SP-2	8/12/2019	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	-	-	-	-	-	-	-	-	-	-
	"	2'	-	-	-	-	-	-	-	-	-	416
	"	3'	-	-	-	-	-	-	-	-	-	-
	"	4'	-	-	-	-	-	-	-	-	-	-
	"	5'	-	-	-	-	-	-	-	-	-	-
	"	6'	-	-	-	-	-	-	-	-	-	-
	"	7'	-	-	-	-	-	-	-	-	-	-
	"	8'	-	-	-	-	-	-	-	-	-	224
SP-2	12/9/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	323
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	0.00442	0.00442	95.8
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	77.1
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.5
	"	5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	13.2
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

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

Table 1
BTA OIL PRODUCERS, LLC
YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SP-3	8/12/2019	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	-	-	-	-	-	-	-	-	-	-
	"	2'	-	-	-	-	-	-	-	-	-	960
	"	3'	-	-	-	-	-	-	-	-	-	-
	"	4'	-	-	-	-	-	-	-	-	-	-
	"	5'	-	-	-	-	-	-	-	-	-	160
SP-3	12/9/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.90
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.0
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.0
	"	5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.90
SP-4	8/12/2019	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	-	-	-	-	-	-	-	-	-	-
	"	2'	98.0	-	-	132.8	-	-	-	-	-	2,120
	"	3'	-	-	-	-	-	-	-	-	-	-
	"	4'	157.0	-	-	201.2	-	-	-	-	-	1,380
	"	5'	-	-	-	-	-	-	-	-	-	-
	"	6'	-	-	-	-	-	-	-	-	-	-
	"	7'	-	-	-	-	-	-	-	-	-	-
	"	8'	-	-	-	-	-	-	-	-	-	-
	"	9'	-	-	-	-	-	-	-	-	-	-
	"	10'	-	-	-	-	-	-	-	-	-	3,520
SP-4	12/9/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	232
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	140
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	61.1
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	276
	"	5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	561
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

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

Table 1
BTA OIL PRODUCERS, LLC
YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)
Lea 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						
SP-5	8/12/2019	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	-	-	-	-	-	-	-	-	-	-
	"	2'	-	-	-	-	-	-	-	-	-	2,800
	"	3'	-	-	-	-	-	-	-	-	-	-
	"	4'	12.4	-	-	12.4	-	-	-	-	-	2,200
	"	5'	-	-	-	-	-	-	-	-	-	-
	"	6'	-	-	-	-	-	-	-	-	-	-
	"	7'	-	-	-	-	-	-	-	-	-	-
	"	8'	-	-	-	-	-	-	-	-	-	
	"	9'	-	-	-	-	-	-	-	-	-	-
	"	10'	-	-	-	-	-	-	-	-	-	1,040
SP-5	12/9/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	176
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	331
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**655**
	"	4'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**1,170**
	"	5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,050
SP-6	8/12/2019	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	-	-	-	-	-	-	-	-	-	-
	"	2'	53.3	-	70.7	-	-	-	-	-	-	160
	"	3'	-	-	-	-	-	-	-	-	-	-
	"	4'	-	-	-	-	-	-	-	-	-	-
SP-6	12/19/2019	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	<5.0	<9.4	<47	<61.4	<0.025	-	-	-	<0.224	<60
	"	2'	-	-	-	-	-	-	-	-	-	-
	"	3'	<4.8	<9.5	<48	<62.3	<0.024	-	-	-	<0.217	<60
	"	4'	-	-	-	-	-	-	-	-	-	-
SP-6	12/9/2025	0-1'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.90
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	28.9
	"	5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	315
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

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

Table 1
BTA OIL PRODUCERS, LLC
YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SP-7	12/19/2019	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	<4.7	<9.9	<50	<64.6	<0.024	-	-	-	<0.213	<60
	"	2'	-	-	-	-	-	-	-	-	-	-
	"	3'	<4.9	<9.2	<46	<60.1	<0.024	-	-	-	<0.220	<60
SP-7	12/9/2025	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.1
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<9.90
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
	"	5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
SP-8	12/19/2019	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	<5.0	<9.7	<48	<62.7	<0.025	-	-	-	<0.224	<60
	"	2'	-	-	-	-	-	-	-	-	-	-
	"	3'	<4.9	<9.7	<48	<62.7	<0.025	-	-	-	<0.221	<60
SP-8	12/9/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.9
	"	2'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	142
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**656**
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,320**
	"	5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,400
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

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

Table 1
BTA OIL PRODUCERS, LLC
YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SP-9	12/19/2019	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	<4.8	<9.4	<47	<61.2	<0.024	-	-	-	<0.215	<60
	"	2'	-	-	-	-	-	-	-	-	-	-
	"	3'	<4.7	<9.7	<48	<62.4	<0.024	-	-	-	<0.213	<60
SP-9	12/9/2025	0-1'	<50.0	**109**	<50.0	**109**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	11.3
	"	2'	<49.9	<49.9	**114**	**114**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.94
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
	"	4'	<50.0	<50.0	79.6	79.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
	"	5'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
SP-10	1/6/2020	Surface	-	-	-	-	-	-	-	-	-	-
	"	1'	<5.0	<9.4	<47	<61.4	<0.025	-	-	-	<0.224	<60
	"	2'	-	-	-	-	-	-	-	-	-	-
	"	3'	-	-	-	-	-	-	-	-	-	-
	"	4'	<4.9	<9.3	<46	<60.2	<0.025	-	-	-	<0.221	230
	"	5'	-	-	-	-	-	-	-	-	-	-
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

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

Table 2A
BTA OIL PRODUCERS, LLC
YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)
Lea 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						
CS-1	2/6/2026	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	768
CS-2	2/6/2026	4.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	733
CS-3	2/6/2026	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	769
CS-4	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	766
CS-5	2/6/2026	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	766
CS-6	2/6/2026	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00215	<0.00200	<0.00399	<0.00399	738
CS-7	2/6/2026	4.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,260
CS-8	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,190
CS-9	2/6/2026	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,220
CS-10	2/6/2026	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,120
CS-11	2/6/2026	4.5'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	731
CS-12	2/6/2026	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	747
CS-13	2/6/2026	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	716
CS-14	2/6/2026	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,190
CS-15	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	717
CS-16	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,330
CS-17	2/6/2026	4.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	748
CS-18	2/6/2026	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	756
CS-19	2/6/2026	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	707
CS-20	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	714
CS-21	2/6/2026	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	26.3
CS-22	2/6/2026	2.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
CS-23	2/6/2026	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	0.00222	<0.00404	0.00438	<9.96
CS-24	2/6/2026	2.5'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
CS-25	2/6/2026	2.5'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	12.3
Regulatory Criteria [A]			**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000 mg/kg**

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

Table 2A
BTA OIL PRODUCERS, LLC
YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	2/6/2026	4.5'	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	76.4
SW-2	2/6/2026	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	73.4
SW-3	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	70.0
SW-4	2/6/2026	4.5'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	53.4
SW-5	2/6/2026	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	31.1
SW-6	2/6/2026	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	93.8
SW-7	2/6/2026	4.5'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.94
SW-8	2/6/2026	4.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<9.96
SW-9	2/6/2026	4.5'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
SW-10	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	38.4
SW-11	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	46.6
SW-12	2/6/2026	2.5'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	148
SW-13	2/6/2026	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	169
SW-14	2/6/2026	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	30.8
SW-15	2/6/2026	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.1
Backfill Sample	2/10/2026	-	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
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
(SW) - Sidewall Sample

Table 2B
BTA OIL PRODUCERS, LLC
YOUNG #1 TANK BATTERY (11.10.2022)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.9
CS-2	2/6/2026	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.0
CS-3	2/6/2026	4.5'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
SW-1	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.0
SW-2	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	10.8
SW-3	2/6/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	0.126	0.126	<10.0
SW-4	2/6/2026	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.0
Backfill Sample	2/10/2026	-	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

BTA OIL PRODUCERS

Photograph No. 1

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View North, SP-1



Photograph No. 2

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View Northwest, SP-2



Photograph No. 3

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View South, SP-3



PHOTOGRAPHIC LOG

BTA OIL PRODUCERS

Photograph No. 4

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View East, SP-4



Photograph No. 5

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View East, SP-5



Photograph No. 6

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View Northeast, SP-6



PHOTOGRAPHIC LOG

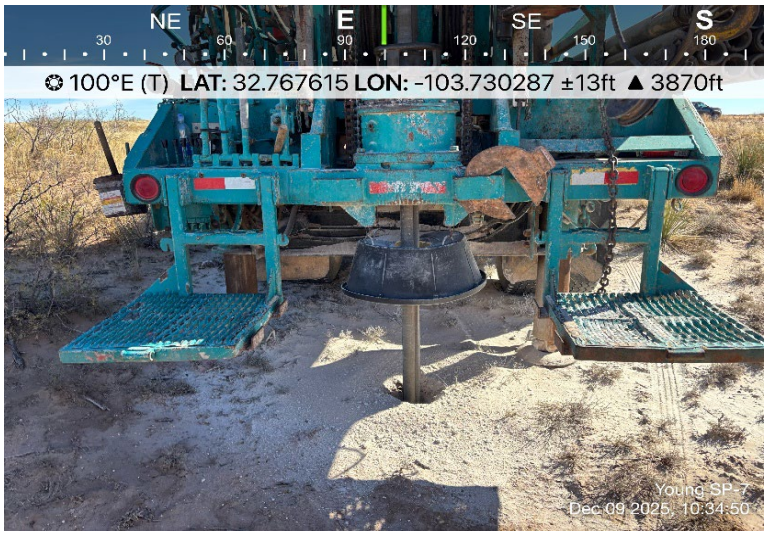
BTA OIL PRODUCERS

Photograph No. 7

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View East, SP-7

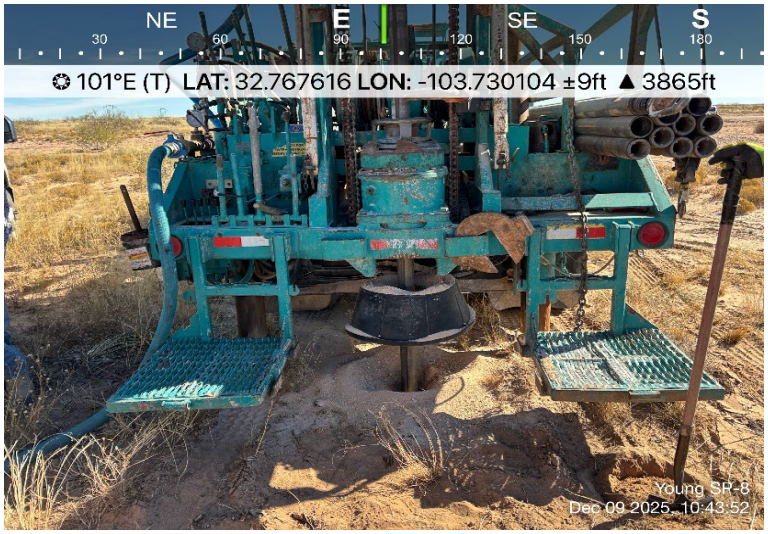


Photograph No. 8

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View East, SP-8



Photograph No. 9

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View Northeast, SP-9



PHOTOGRAPHIC LOG

BTA OIL PRODUCERS

Photograph No. 10

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View Southeast, Groundwater Determination Bore

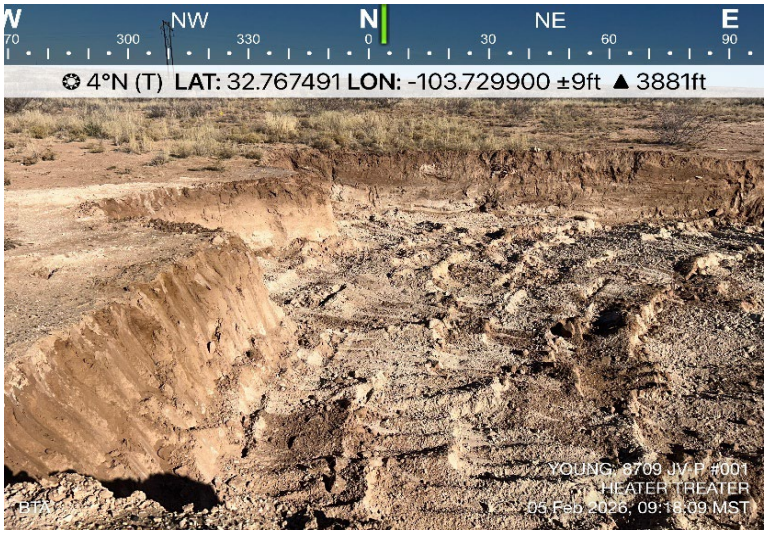


Photograph No. 11

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View North, area of CS-1 through CS-20.
Related to incident ID: nAB1907834716



Photograph No. 12

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View North, area of CS-1 through CS-20.
Related to incident ID: nAB1907834716



PHOTOGRAPHIC LOG

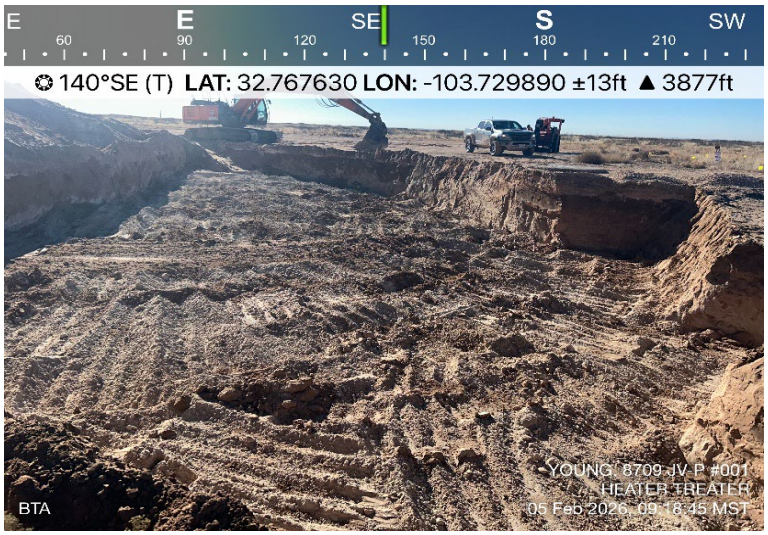
BTA OIL PRODUCERS

Photograph No. 13

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View Southeast, area of CS-1 through CS-20.
Related to incident ID: nAB1907834716

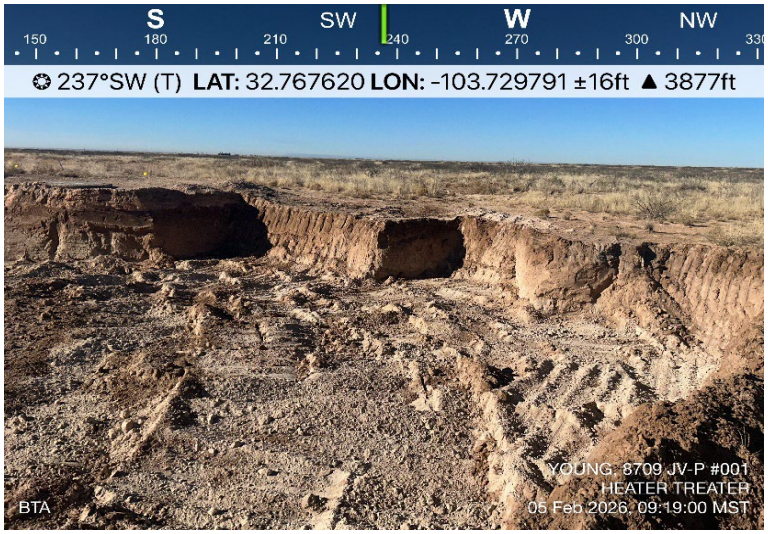


Photograph No. 14

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View Southeast, area of CS-1 through CS-20.
Related to incident ID: nAB1907834716



Photograph No. 15

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View East, area of CS-21 through CS-25.
Related to incident ID: nAB1907834716



PHOTOGRAPHIC LOG

BTA OIL PRODUCERS

Photograph No. 16

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View Northeast, area of CS-21 through CS-25.
Related to incident ID: nAB1907834716

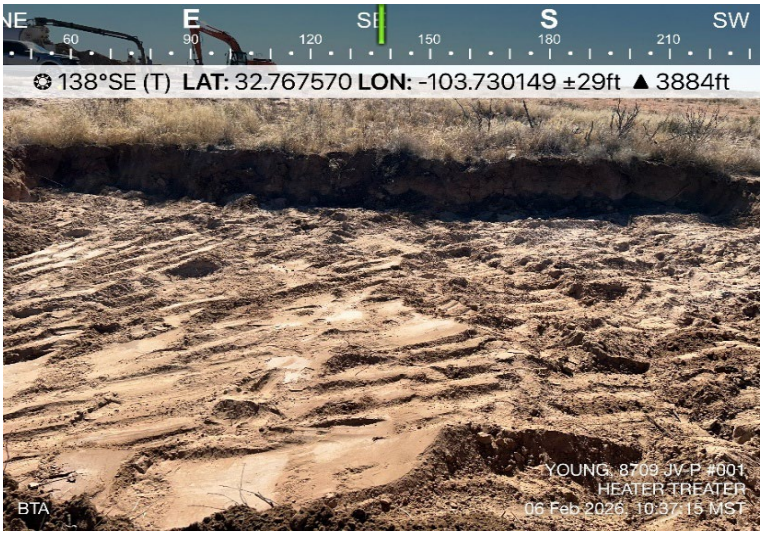


Photograph No. 17

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View Southeast, area of CS-21 through CS-25.
Related to incident ID: nAB1907834716



Photograph No. 18

Facility: YOUNG, 8709 JV-P #001

County: Lea County, New Mexico

Description:
View West, area of CS-21 through CS-25.
Related to incident ID: nAB1907834716



PHOTOGRAPHIC LOG

BTA OIL PRODUCERS

Photograph No. 19

Facility: YOUNG #001 Tank Battery

County: Lea County, New Mexico

Description:
View East, area of CS-1 through CS-3.
Related to Incident ID: nAPP2231476257



Photograph No. 20

Facility: YOUNG #001 Tank Battery

County: Lea County, New Mexico

Description:
View West, area of CS-1 through CS-3.
Related to Incident ID: nAPP2231476257



Photograph No. 21

Facility: YOUNG #001 Tank Battery

County: Lea County, New Mexico

Description:
View North, area of CS-1 through CS-3.
Related to Incident ID: nAPP2231476257



PHOTOGRAPHIC LOG

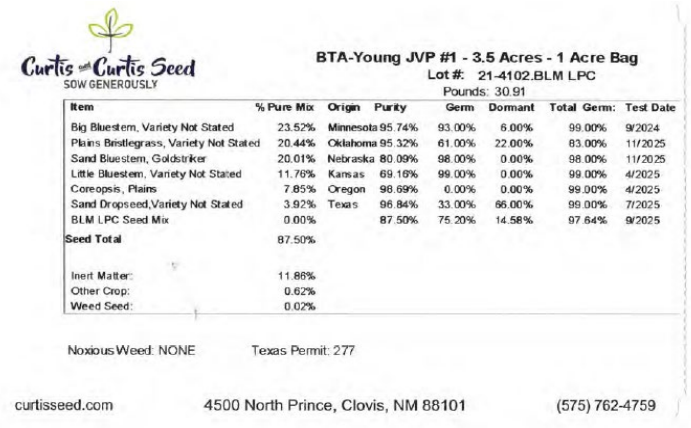
BTA OIL PRODUCERS

Photograph No. 22

Facility: YOUNG #001 Tank Battery

County: Lea County, New Mexico

Description:
Seed Mix used for reseeding the entire area.



Curtis and Curtis Seed
SOW GENEROUSLY

BTA-Young JVP #1 - 3.5 Acres - 1 Acre Bag
Lot #: 21-4102.BLM LPC
Pounds: 30.91

Item	% Pure Mix	Origin	Purity	Germ	Dormant	Total Germ:	Test Date
Big Bluestem, Variety Not Stated	23.52%	Minnesota	95.74%	93.00%	6.00%	99.00%	9/2024
Plains Bristlegrass, Variety Not Stated	20.44%	Oklahoma	95.32%	61.00%	22.00%	83.00%	11/2025
Sand Bluestem, Goldstriker	20.01%	Nebraska	80.09%	98.00%	0.00%	98.00%	11/2025
Little Bluestem, Variety Not Stated	11.76%	Kansas	69.16%	99.00%	0.00%	99.00%	4/2025
Coreopsis, Plains	7.85%	Oregon	98.69%	0.00%	0.00%	99.00%	4/2025
Sand Dropseed,Variety Not Stated	3.92%	Texas	96.84%	33.00%	66.00%	99.00%	7/2025
BLM LPC Seed Mix	0.00%		87.50%	75.20%	14.58%	97.64%	9/2025
Seed Total	87.50%						
Inert Matter:	11.86%						
Other Crop:	0.62%						
Weed Seed:	0.02%						

Noxious Weed: NONE Texas Permit: 277

curtisseed.com 4500 North Prince, Clovis, NM 88101 (575) 762-4759

Photograph No. 23

Facility: YOUNG #001 Tank Battery

County: Lea County, New Mexico

Description:
Seed Mix used for reseeding the entire area.



Photograph No. 24

Facility: YOUNG #001 Tank Battery

County: Lea County, New Mexico

Description:
Begining of reclamation & reseeding activities with broadcaster of entire well pad and access road.



PHOTOGRAPHIC LOG

BTA OIL PRODUCERS

Photograph No. 25

Facility: YOUNG #001 Tank Battery

County: Lea County, New Mexico

Description:
Reclamation & reseeding activities with broadcaster of entire well pad and access road.



Photograph No. 26

Facility: YOUNG #001 Tank Battery

County: Lea County, New Mexico

Description:
Reclamation & reseeding activities with broadcaster of entire well pad and access road.



APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAB1907834716
District RP	1RP-5397
Facility ID	
Application ID	pAB1907834153

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # *(assigned by OCD)* NAB1907834716
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.76749° Longitude: -103.72988°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Young 8709 #1 Heater Treater	Site Type: Production Facility
Date Release Discovered: 2/20/2019	API# *(if applicable)* Nearest well: Young 8709 JV-P #1 API #30-025-30051

Unit Letter	Section	Township	Range	County
A	11	18S	32E	Lea

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

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) 5 BBL (vol of vessel)	Volume Recovered (bbls) 0 BBL
☒ Produced Water	Volume Released (bbls) 5 BBL (vol of vessel)	Volume Recovered (bbls) 0 BBL
	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
The separator vessel leaked due to corrosion.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1907834716
District RP	1RP-5397
Facility ID	
Application ID	pAB1907834153

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

Initial Response

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

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

If all the actions described above have 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: Bob Hall Title: Environmental Manager

Signature: Bob Hall Date: 3/7/2019

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Amalia Bustamante Date: 3/19/2019

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2231476257
District RP	
Facility ID	fAPP2201832674
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # *(assigned by OCD)* nAPP2231476257
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.76721 Longitude: -103.72983
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Young #1 Tank Battery	Site Type: Tank Battery
Date Release Discovered: 11/10/2022	API# *(if applicable)* Nearest well:

Unit Letter	Section	Township	Range	County
A	11	18S	32E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls) 218 BBL	Volume Recovered (bbls) 100 BBL
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Tank Failure. An oil tank failed on the bottom, releasing the entire contents inside the earthen containment walls surrounding the battery. The oil was pushed out of the containment and onto the adjacent pasture. Vacuum truck used to recover 100 BO.

Spill Volume Calculation is attached.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2230983706
District RP	
Facility ID	fAPP2201832674
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? The release volume exceeded 25 BBL fluid.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
NOR assigned the present Incident ID nAPP2230983706 was filed on 11/10/2022.

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: Bob Hall Title: Environmental Manager

Signature: _____/s/ Bob Hall_____ Date: 11/21/2022

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Jocelyn Harimon Date: 11/21/2022

Location Young #1 Tank Failure
API #
Spill Date 11/11/2022

Spill Dimensions

ENTER - Length of Spill	81.5	**feet**
ENTER - Width of Spill	81.5	**feet**
ENTER - Saturation Depth of Spill	6	**inches**
ENTER - Porosity Factor	0.2	**decimal**

Oil Cut - Well Test / Vessel Throughput or Contents

Oil	99.999
Water	0.001
Calculated Oil Cut	0.99999

Volume Recovered in Truck / Containment

ENTER - Recovered Oil	100	**BBL**
ENTER - Recovered Water	0	**BBL**

Calculated Values	*calculated*	
Release of Oil in Soil - Unrecovered	118	***BBL***
Release of Water in Soil - Unrecovered	0	***BBL***
Unrecovered Total Release	118	***BBL***

Calculated Values	*calculated*	
Total Release of Oil	218	***BBL***
Total Release of Water	0	***BBL***
Total Release	218	***BBL***

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mix	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

$$\frac{\text{(Length X Width X Depth X 1 ft/12 in) X Porosity}}{5.615\ ft^3 / BBL} \times \text{Oil Cut (or Water Cut)}$$

Release extent approx: 5,295 sq ft
Containment area: 1,320 sq ft



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 548987

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 548987
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1907834716**
Incident Name	**NAB1907834716 YOUNG, 8709 JV-P #001 HEATER TREATER @ 30-025-30051**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-30051] YOUNG, 8709 JV-P #001**

Location of Release Source	
Site Name	**YOUNG, 8709 JV-P #001 HEATER TREATER**
Date Release Discovered	**02/20/2019**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,500
What is the estimated number of samples that will be gathered	53
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2026
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	(32.76749,-103.72988) – The historical release has been reassessed (late 2025) and contaminated areas will now be remediated. The entire well pad will also be reclaimed following the completion of the remediation of this incident.

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

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 548987
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549012
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1907834716**
Incident Name	**NAB1907834716 YOUNG, 8709 JV-P #001 HEATER TREATER @ 30-025-30051**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-30051] YOUNG, 8709 JV-P #001**

Location of Release Source	
Site Name	**YOUNG, 8709 JV-P #001 HEATER TREATER**
Date Release Discovered	**02/20/2019**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,500
What is the estimated number of samples that will be gathered	53
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/09/2026
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	(32.76749,-103.72988) – The historical release has been reassessed (late 2025) and contaminated areas will now be remediated. The entire well pad will also be reclaimed following the completion of the remediation of this incident.

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

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

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549012
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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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

Action 549013

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549013
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1907834716**
Incident Name	**NAB1907834716 YOUNG, 8709 JV-P #001 HEATER TREATER @ 30-025-30051**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-30051] YOUNG, 8709 JV-P #001**

Location of Release Source	
Site Name	**YOUNG, 8709 JV-P #001 HEATER TREATER**
Date Release Discovered	**02/20/2019**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,500
What is the estimated number of samples that will be gathered	53
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/10/2026
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	(32.76749,-103.72988) – The historical release has been reassessed (late 2025) and contaminated areas will now be remediated. The entire well pad will also be reclaimed following the completion of the remediation of this incident.

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

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549013
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 549091

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549091
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1907834716**
Incident Name	**NAB1907834716 YOUNG, 8709 JV-P #001 HEATER TREATER @ 30-025-30051**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-30051] YOUNG, 8709 JV-P #001**

Location of Release Source	
Site Name	**YOUNG, 8709 JV-P #001 HEATER TREATER**
Date Release Discovered	**02/20/2019**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,500
What is the estimated number of samples that will be gathered	53
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/11/2026
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	(32.76749,-103.72988) – The historical release has been reassessed (late 2025) and contaminated areas will now be remediated. The entire well pad will also be reclaimed following the completion of the remediation of this incident.

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

Action 549091

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549091
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 549094

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549094
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1907834716**
Incident Name	**NAB1907834716 YOUNG, 8709 JV-P #001 HEATER TREATER @ 30-025-30051**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-30051] YOUNG, 8709 JV-P #001**

Location of Release Source	
Site Name	**YOUNG, 8709 JV-P #001 HEATER TREATER**
Date Release Discovered	**02/20/2019**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,500
What is the estimated number of samples that will be gathered	53
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/12/2026
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	(32.76749,-103.72988) – The historical release has been reassessed (late 2025) and contaminated areas will now be remediated. The entire well pad will also be reclaimed following the completion of the remediation of this incident.

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

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549094
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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1220 S. St Francis Dr.
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QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549100
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1907834716**
Incident Name	**NAB1907834716 YOUNG, 8709 JV-P #001 HEATER TREATER @ 30-025-30051**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-30051] YOUNG, 8709 JV-P #001**

Location of Release Source	
Site Name	**YOUNG, 8709 JV-P #001 HEATER TREATER**
Date Release Discovered	**02/20/2019**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,500
What is the estimated number of samples that will be gathered	53
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2026
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	(32.76749,-103.72988) – The historical release has been reassessed (late 2025) and contaminated areas will now be remediated. The entire well pad will also be reclaimed following the completion of the remediation of this incident.

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549100
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 549102

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549102
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2231476257**
Incident Name	**NAPP2231476257 YOUNG #1 TANK BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Incident Closure Approved**
Incident Facility	**[fAPP2201832674] Young #1**

Location of Release Source	
Site Name	**YOUNG #1 TANK BATTERY**
Date Release Discovered	**11/10/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	700
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2026
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	(32.767207,-103.729833) – The areas of FS03 & FS05 with chloride data >600mg/kg will be remediated at this time as the well pad is being reclaimed. Depth to groundwater has been verified and an updated remediation/reclamation closure report will be submitted.

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

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549102
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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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

Action 549107

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549107
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2231476257**
Incident Name	**NAPP2231476257 YOUNG #1 TANK BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Incident Closure Approved**
Incident Facility	**[fAPP2201832674] Young #1**

Location of Release Source	
Site Name	**YOUNG #1 TANK BATTERY**
Date Release Discovered	**11/10/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	700
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/09/2026
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	(32.767207,-103.729833) – The areas of FS03 & FS05 with chloride data >600mg/kg will be remediated at this time as the well pad is being reclaimed. Depth to groundwater has been verified and an updated remediation/reclamation closure report will be submitted.

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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: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549107
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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State of New Mexico
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1220 S. St Francis Dr.
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QUESTIONS

Action 549110

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549110
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2231476257**
Incident Name	**NAPP2231476257 YOUNG #1 TANK BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Incident Closure Approved**
Incident Facility	**[fAPP2201832674] Young #1**

Location of Release Source	
Site Name	**YOUNG #1 TANK BATTERY**
Date Release Discovered	**11/10/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	700
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/10/2026
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	(32.76749,-103.72988) – The historical release has been reassessed (late 2025) and contaminated areas will now be remediated. The entire well pad will also be reclaimed following the completion of the remediation of this incident.

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549110
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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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

Action 549112

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549112
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2231476257**
Incident Name	**NAPP2231476257 YOUNG #1 TANK BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Incident Closure Approved**
Incident Facility	**[fAPP2201832674] Young #1**

Location of Release Source	
Site Name	**YOUNG #1 TANK BATTERY**
Date Release Discovered	**11/10/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	700
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/11/2026
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	(32.767207,-103.729833) – The areas of FS03 & FS05 with chloride data >600mg/kg will be remediated at this time as the well pad is being reclaimed. Depth to groundwater has been verified and an updated remediation/reclamation closure report will be submitted.

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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 549112

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549112
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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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

Action 549115

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549115
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2231476257**
Incident Name	**NAPP2231476257 YOUNG #1 TANK BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Incident Closure Approved**
Incident Facility	**[fAPP2201832674] Young #1**

Location of Release Source	
Site Name	**YOUNG #1 TANK BATTERY**
Date Release Discovered	**11/10/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	700
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/12/2026
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	(32.767207,-103.729833) – The areas of FS03 & FS05 with chloride data >600mg/kg will be remediated at this time as the well pad is being reclaimed. Depth to groundwater has been verified and an updated remediation/reclamation closure report will be submitted.

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549115
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

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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

Action 549119

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549119
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2231476257**
Incident Name	**NAPP2231476257 YOUNG #1 TANK BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Incident Closure Approved**
Incident Facility	**[fAPP2201832674] Young #1**

Location of Release Source	
Site Name	**YOUNG #1 TANK BATTERY**
Date Release Discovered	**11/10/2022**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	700
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2026
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	(32.767207,-103.729833) – The areas of FS03 & FS05 with chloride data >600mg/kg will be remediated at this time as the well pad is being reclaimed. Depth to groundwater has been verified and an updated remediation/reclamation closure report will be submitted.

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CONDITIONS

Action 549119

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 549119
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ntinker	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.	2/2/2026
ntinker	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/2/2026

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

BTA Oil Producers

Legend

- 0.04 Miles
- 0.50 Mile Radius
- Groundwater Determination Bore
- YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)

105' GWDB - Drilled 2025

YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)

Google Earth

Released to Imaging: 4/13/2026 10:32:30 AM

Image © 2025 Airbus

N

2000 ft

Nearest Water Well

BTA OIL PRODUCERS, LLC

Legend

- 0.50 Mile Radius
- 1.80 Miles
- 2.24 Miles
- 2.28 Miles
- 2.56 Miles
- 2.66 Miles
- Groundwater Determination Bore
- NMSEO Water Well
- USGS Water Well
- YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)

100' - Drilled 2015

100' - Drilled 1967

55' GWDB - Drilled 2024

YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)

84.18' - Drilled 1968

60' GWDB - Drilled 2019

Google Earth

Released to Imaging: 4/13/2026 10:32:30 AM

Image © 2025 Airbus

N

1 mi

Received by OCD: 3/16/2026 12:53:43 PM

Low Karst

BTA OIL PRODUCERS, LLC

Legend

- Low
- YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)

YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)

Google Earth

Released to Imaging: 4/13/2026 10:32:30 AM

Image © 2025 Airbus

N

1 mi

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
CP 02001 POD1		CP	LE	NE	SW	NW	10	18S	32E	616091.2	3625869.6		2921	55		
L 13909 POD1		L	LE	SE	NW	SE	31	17S	33E	621734.8	3628514.5		3584	240	100	140

Average Depth to Water: **100 feet**

Minimum Depth: **100 feet**

Maximum Depth: **100 feet**

Record Count: 2

UTM Filters (in meters):

Easting: 618993.41

Northing: 3626204.61

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

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod 1		CP-2099

WELL OWNER NAME(S)	PHONE (OPTIONAL)
BTA Oil Producers LLC.	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
104 S. Pecos	Midland	TX	79701

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	46	3.03	N
	LONGITUDE	103	43	45.41	W

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

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

S11 T18s R32e

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
12-9-25	12-9-25	105'	105'	N/A

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 12-15-25

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

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

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

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)
0'	105'	6'	No casing left in hole				

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 *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FOR OSE INTERNAL USE

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'	Caliche	Y ✓N	
5'	55'	50'	Sandy Caliche	Y ✓N	
55'	65'	10'	Sandy Red Clay	Y ✓N	
65'	80'	15'	Red Clay	Y ✓N	
80'	105'	25'	Sandy Red Clay	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: DTGW Bore

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: Depth to groundwater bore was gauged for water on 12-15-25. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cuttings to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.

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

Nathan Smelcer

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 30 DAYS AFTER COMPLETION OF WELL DRILLING:

James Hawley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

12-17-25 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

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

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2099 - POD1

Well owner: BTA Oil Producers LLC. Phone No.: _____

Mailing address: 104 S Pecos

City: Midland State: TX Zip code: 79701

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: H&R Enterprises, LLC.

2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6-16-27

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): _____
Nathan Smelcer

4) Date well plugging began: 12-15-25 Date well plugging concluded: 12-15-25

5) GPS Well Location: Latitude: 32 deg, 46 min, 3.03 sec
Longitude: 103 deg, 43 min, 45.41 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 105' ft below ground level (bgl),
by the following manner: well sounder

7) Static water level measured at initiation of plugging: N/A ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 11-21-25

9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0' - 10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Pour	
	10' - 105' Drill Cuttings	Approx. 139 gallons	139 gallons	Pour	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

12-17-25
Date

Version: September 8, 2009
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).
POD1	N/A	CP-2001 POD1

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Matador Production Company	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
R347 N26th Rural Street 2nd Floor	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	45	52.53	N
	LONGITUDE	-103	45	38.11	W

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

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

Unit L, Section 10, T 18S, R 32E, Lea, County

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1188	John Scarborough	John Scarborough Drilling Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
6/10/2024	6/10/2024	55'	55'	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

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)
0	55	5.00	Soil Boring	-	-	-	-

OCD 01:44:22 2024 MAY 30

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
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. CP-2001	POD NO. 1	TRN NO. 762264	
LOCATION 18S.32E.10 231		WELL TAG ID NO. N/A	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	10	10	Sand, Light brown, Fine grained	Y ✓ N	
10	20	10	Sand, Light brown, Fine grained	Y ✓ N	
20	30	10	Sand, Light brown, Fine grained	Y ✓ N	
30	40	10	Silty Sand, Red, Fine grained	Y ✓ N	
40	50	10	Silty Sand, Red, Fine grained	Y ✓ N	
50	55	5	Clayey Gravel with Sand, Red, Very fine to Medium Grained with Large Gravel	Y ✓ N	
55	55	0	Clayey Gravel with Sand, Red, Very fine to Medium Grained with Large Gravel	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: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to 10 ft below ground surface (bgs), then hydrated bentonite chips 10 ft bgs to ground surface.

OSE DII JUL 22 2024 PM1:50

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

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.

Scott Scarborough — Digitally signed by Scott Scarborough Date: 2024.07.18 14:46:02 -06'00'

SIGNATURE OF DRILLER / PRINT SIGNEE NAME _____ DATE _____

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

FILE NO. CP-2001	POD NO. 1	TRN NO. 762264	
LOCATION 18S.32E.10 231		WELL TAG ID NO. N/A	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2015 AUG 17 AM 10: 41

1. GENERAL AND WELL LOCATION

OSE POD NUMBER (WELL NUMBER)	OSE FILE NUMBER(S)
	~~L 13900~~ L-13909
WELL OWNER NAME(S): BARRY ALLEN SR. & PAT ALLEN	PHONE (OPTIONAL)
WELL OWNER MAILING ADDRESS: PO BOX 3368	CITY: HOBBS / STATE: NM / ZIP: 88241

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	N32	47	16.2	N
	LONGITUDE	W103	42	0.0	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
917 E. SANDCREST, HOBBS, NM

2. DRILLING & CASING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD 1044	ALAN G. EADES	EADES DRILLING & PUMP SERVICE

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07-09-15	07-09-15	240	240	100

STATIC WATER LEVEL IN COMPLETED WELL (FT):

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)

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)
0	20	9.875	PVC	SLIP JOINT	5.135	.214	
20	200	8.75	PVC	SLIP JOINT	5.135	.214	
200	240	8.75	PVC SCREEN	SLIP JOINT	5.135	.214	.020

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
0	20	9.875	BENTONITE CHIPS – HYDRATED	7	GRAVITY FED
20	240	8.75	GRAVEL	56	GRAVITY FED

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

FILE NUMBER L-13909 | POD NUMBER 1 | TRN NUMBER 574130

175-38E-35 3-1-3 Dm

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	2	2	TOP SOIL	☐ Y ☐ N	
2	26	24	CALICHE	☐ Y ☐ N	
26	100	74	SAND & SANDSTONE STRINGERS	☐ Y ☐ N	
100	119	19	SAND	☒ Y ☐ N	SEE NOTE BELOW
119	122	3	SANDSTONE	☐ Y ☐ N	
122	219	97	SAND & SANDSTONE STRINGERS	☒ Y ☐ N	SEE NOTE BELOW
219	240	21	SAND & GRAVEL	☒ Y ☐ N	SEE NOTE BELOW
240	-	-	RED CLAY	☐ 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: EADES DRILLING DID NOT TEST PUMP THIS WELL.

TOTAL ESTIMATED WELL YIELD (gpm): UNKNOWN

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:
THE WATER BEARING ZONES ARE CAPABLE OF PRODUCING AT LEAST 24gpm BASED ON THE PERFORMANCE OF THE 1.5HP PUMP INSTALLED IN THIS WELL.

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:

Allan Eades / ALAN EADES — 07-13-15

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

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

FILE NUMBER	POD NUMBER	TRN NUMBER
L-13900		574130

175-38E-35 3-1-3 Dom-

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 =
- 324458103454301

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

USGS 324458103454301 18S.32E.16.22433

Lea County, New Mexico
Latitude 32°45'05", Longitude 103°45'51" NAD27
Land-surface elevation 3,796.00 feet above NGVD29
The depth of the well is 100 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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 of measurement	? Water-level approval status
1968-03-18		D	62610		3711.82	NGVD29	1	Z			A
1968-03-18		D	62611		3713.39	NAVD88	1	Z			A
1968-03-18		D	72019	84.18			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
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
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
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: 2025-08-06 12:07:47 EDT
0.36 0.3 nadww01

Borehole ID:

Borehole 1 (BH-1)

Soil Drilling Log with Field Testing Results

Project Name : EOG Cholla Fed Com #1
Project No. : 212C-MD-01810
Location : Lea County, New Mexico
Coordinates : 32.744427°, -103.695234°

Date : Friday, August 16, 2019
Sampler : Joe Tyler
Driller : Scarborough Drilling
Method : Air Rotary

Depth (ft.)	WL	Soil Description	Discoloration /Staining	Odors /Fumes	OVM Field Test (ppm)	Chloride Field Test (ppm)	Field Titration Test (ppm)
0		Brown silty sand	Stained	Heavy odor	1,615	-	-
			Stained	Heavy odor	4,751	-	-
5		Brown silty sand w/ gravel		Heavy odor	>15,000	-	-
				Heavy odor	1,405	-	-
10		Brown silty sand		Heavy odor	18.2	-	-
15		Brown silty sand w/ light gravel		Heavy odor	160.1	-	-
20				Heavy odor	135.6	131	160
25		Brown sand w/ heavy gravel		Heavy odor	144.1	-	-
30				Heavy odor	209.1	153	200
35				Heavy odor	31.9	-	-
40		Brown silty sand w/ light gravel		Heavy odor	26.4	-	-
45				Low odor	15.5	-	-
50					33.0	-	-
55					71.2	188	200
60		Total Depth = 60 feet			24.6	169	160

Comments:

** H.O. = Heavy Odor*
** H.S. = Heavy Staining*

No Groundwater detected at 60' below surface

** L.O. = Low Odor*
** L.S. = Low Staining*

** O.L. = Over Readable Limit*

Received by OCD: 3/16/2026 12:53:43 PM

SANTA FE

Form WR-23

STATE ENGINEER OFFICE

WELL RECORD

56170

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

Section 1

(Plat of 640 acres)

(A) Owner of well Scharbauer Cattle Company

Street and Number Box 1471

City Midland, State Texas

Well was drilled under Permit No. L-6131 and is located in the

SW ¼ NW ¼ NE ¼ of Section 8 Twp. 18S Rge. 33E

(B) Drilling Contractor C. R. Musslewhite License No. WD99

Street and Number Box 56

City Hobbs, State New Mexico

Drilling was commenced April 27, 19 68

Drilling was completed April 29, 19 68

Elevation at top of casing in feet above sea level Total depth of well 194

State whether well is shallow or artesian Shallow Depth to water upon completion 100

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	130	135	5	Sand & gravel
2	185	193	8	Gravel
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
7	24	10	0	194	194	none	150	194

Section 4 RECORD OF MUDDING AND CEMENTING

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

Section 5 PLUGGING RECORD

Name of Plugging Contractor License No.

Street and Number City State

Tons of Clay used Tons of Roughage used Type of roughage

Plugging method used Date Plugged 19

Plugging approved by:

Basin Supervisor

Cement Plugs were placed as follows:

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

FOR USE OF STATE ENGINEER ONLY

Date Received 1968 MAY -2 AM 8:28

File No. L-6131 Use Stock Location No. 18.33.8.213

Released to Imaging: 4/13/2026 10:32:30 AM

L-6131

Received by OCD: 3/16/2026 12:53:43 PM

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	3	3	White	Caliche rock
3	33	30	White	Caliche & rock
33	85	52	Grey	Sandy shale
85	130	45	"	Sand, consolidated
130	135	5	"	Sand & gravel
135	185	50	"	Sand, consolidated
185	193	8	Red	Gravel
193	194	1	"	Shale, red bed

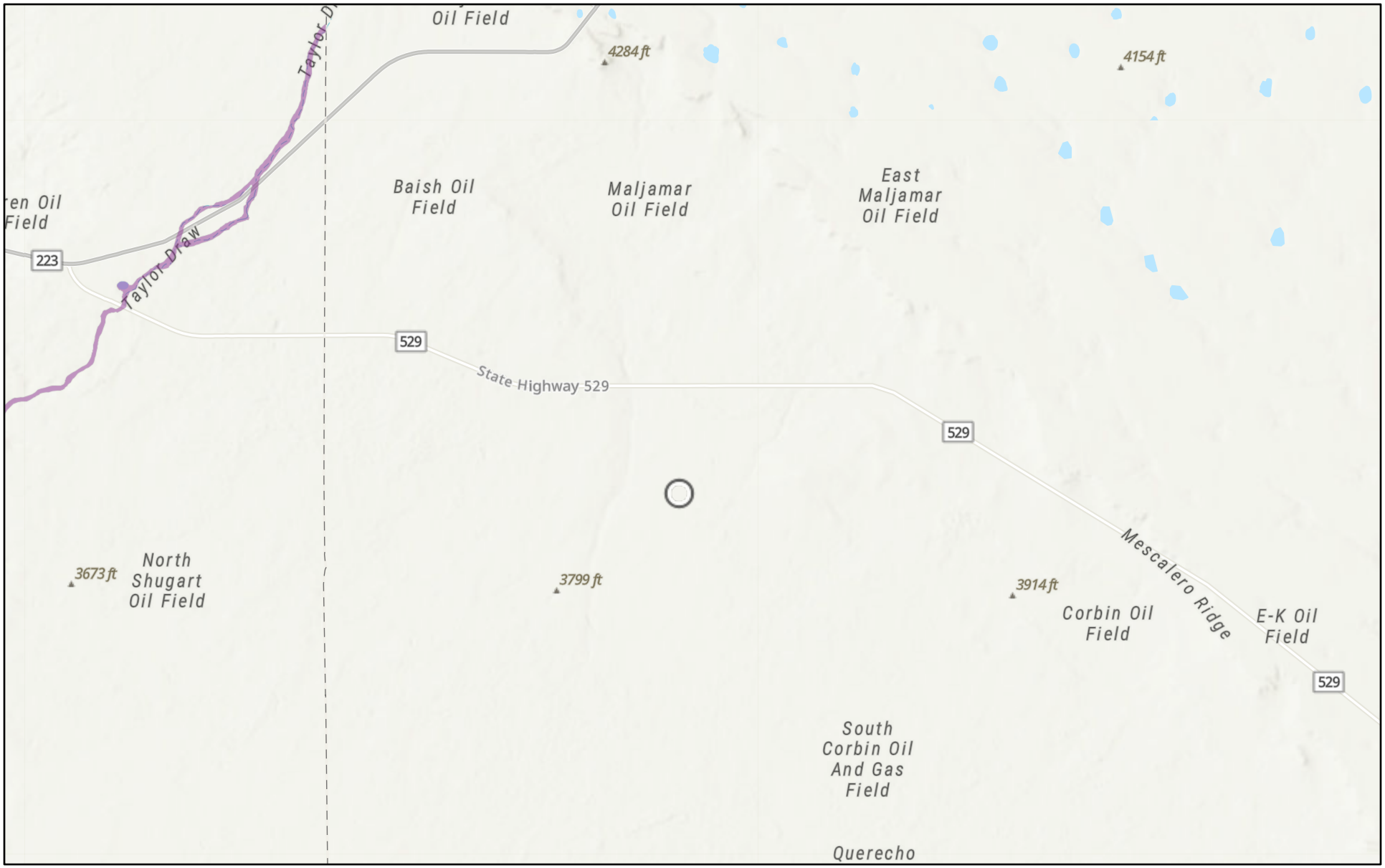
The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

O. R. Musselwhite

Well Driller

Released to Imaging: 4/13/2026 10:32:30 AM

YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)



8/6/2025

USA Flood Hazard Areas

1% Annual Chance Flood Hazard

World_Hillshade

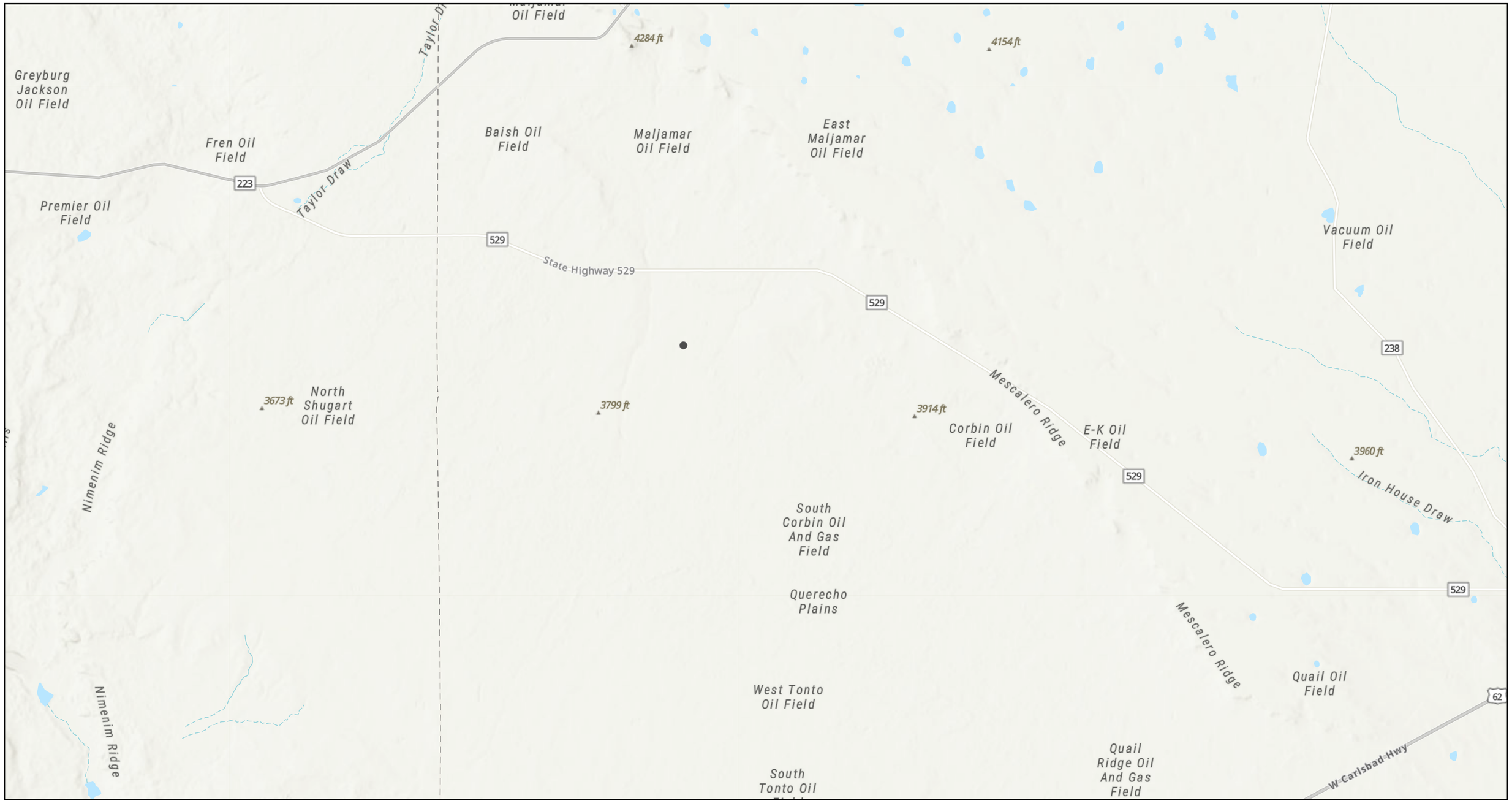
1:144,448

0 1 2 4 mi

0 1.5 3 6 km

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

YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)



8/6/2025, 10:43:44 AM

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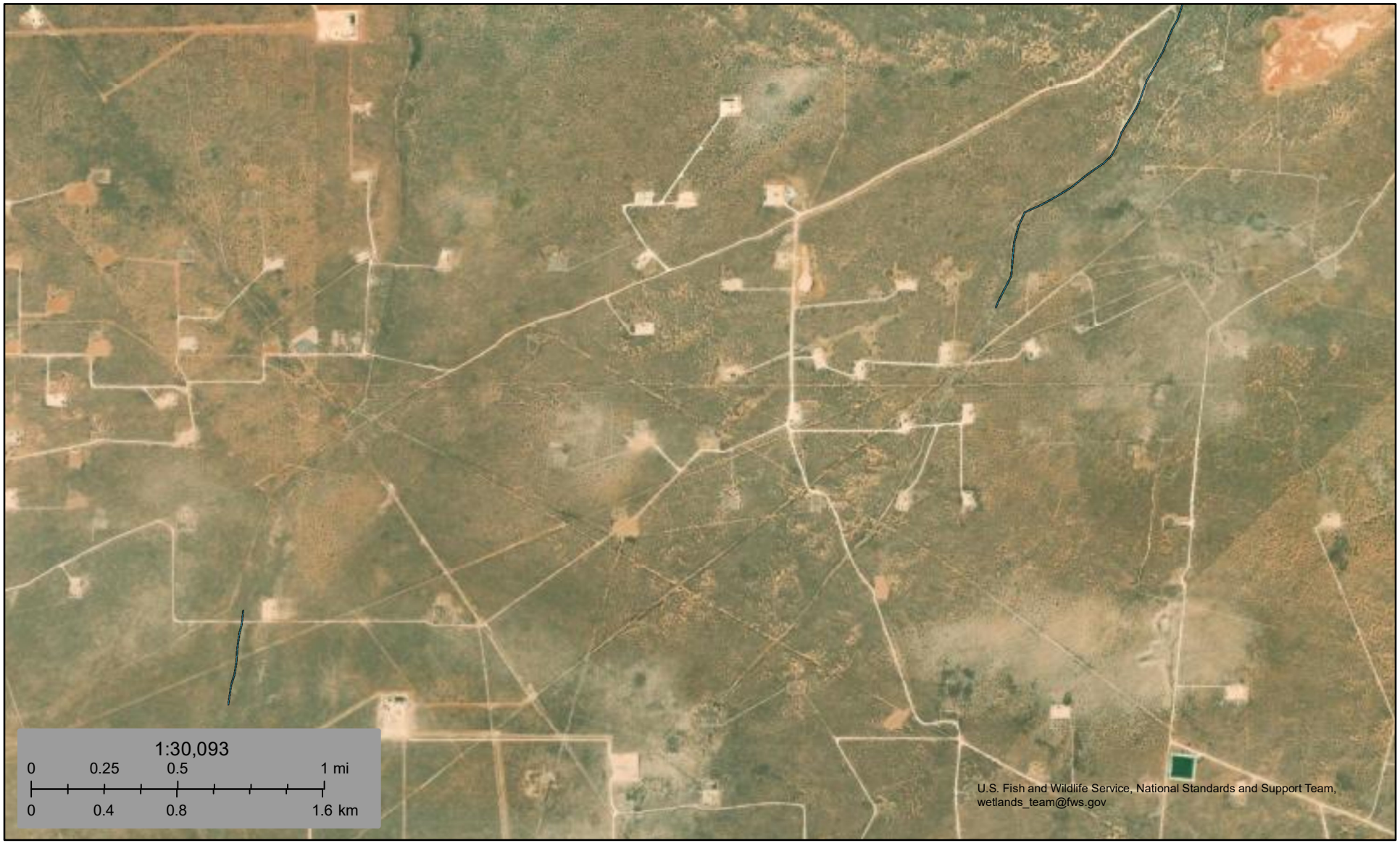
0 2.25 4.5 9 km

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

Received by OCD: 3/16/2026 12:53:43 PM

U.S. Fish and Wildlife Service
National Wetlands Inventory

YOUNG, 8709 JV-P #001



March 5, 2026

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Released to Imaging: 4/13/2026 10:32:30 AM

Report run on: Nov 18, 2025 10:29 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 159952 **HPD Log No(s).**

Registration

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Performing Agency: Silberberg, Amy

Activity ID: BTA - YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)

Performing Agency Report No: AABS 25-L77

Other Agencies:

Report Recipient (Your Client): Carmona Resources

Activity Types:
- ☐ Research Design
- ☑ Archaeological Survey/Inventory
- ☐ Architectural Survey/Inventory
- ☐ Test Excavation
- ☐ Monitoring
- ☐ Collections/Non-Field Study
- ☐ Compliance Decision
- ☐ Literature Review Overview
- ☐ Excavation
- ☐ Ethnographic Study
- ☐ Resource/Property Visit
- ☐ Historic Structures Report
- ☐ Other:

Total Survey Acreage: 3.60

Total Tribal Acreage: 0.00

Total Resources Visited: 0

Associate/Register Resources

Prefix	Number	Field Site/Other Number	In GIS	Resource Type	Collections Made?	Revisit

Report Details

Type of Report Negative

Lead Agency

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Lead Agency Report No.

Report Number:

Title of Report

Title of Report: Class III Archaeological Survey of 3.6 Acres at the BTA YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area on BLM Lands in Lea

Report run on: Nov 18, 2025 10:29 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 159952 **HPD Log No(s).**

Report Details (continued)

County, NM

Authors: Amy B. Silberberg

Publication Type: Report, Monograph, or Book

Description of Undertaking (what does the project entail?)

Description: The project consists of survey of 3.6 acres for the BTA YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area. Located in Section 11 in Township 18S Range 32E, the survey is on lands owned and administered by the Bureau of Land Management, Carlsbad Field Office. The project area is south of Maljamar, NM on the south side of Hwy 529 in Lea County and is depicted on the Dog Lake, NM USGS 7.5' quadrangle map.

Dates of Investigation

From: 16-Nov-2025 **To:** 16-Nov-2025

Report Date

Report Date: 18-Nov-2025

Performing Agency/Consultant

Name: Silberberg, Amy

Principal Investigator: Silberberg, Amy

Field Supervisor:

Field Personnel Names: Silberberg, Amy

Historian/Other

Performing Agency Report Number

Report Number: AABS 25-L77

Client/Customer (project proponent)

Name: Carmona Resources

Contact:

Address: 310 W Wall St Suite 500, Midland, TX 79701

Phone

Client/Customer Project Number

Project Number:

Ownership & Location

Land Ownership Status (Must be indicated on Project Map)

Report run on: Nov 18, 2025 10:29 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 159952 **HPD Log No(s).**

Ownership & Location (continued)

Owner/Manager List:

Land Owner/Manager	Protocol	Acres Surveyed	Acres in APE
US Bureau of Land Management Carlsbad Field Office	Class III	3.60	3.60

Total Survey Acreage: 3.60

Total Tribal Acreage: 0.00

Record Search(es)

Date of HPD/ARMS File Review: 12-Nov-2025

Date of Other Agency File Review 12-Nov-2025

Survey Data

Source Graphics: NAD 83

☑ USGS 7.5' (1:24,000) topo map ☐ Other Topo Map Scale:

☑ GPS Unit 1-10M

☑ Aerial Photos Other Source Graphic(s):

The following tables (b,c,& e) are calculated by the NMCRIS Map Service

USGS 7.5' Topographic Map(s)

Map Name	USGS Quad Code
Dog Lake, NM	32103-G6

County(ies)

County	FIPS
LEA	35023

Legal Description

Unplatted	Township (N/S)	Range (E/W)	Section
No	T18S	R32E	11

Projected Legal Description

No

Nearest City or Town: Maljamar, NM

Other Description: The project area is south of Maljamar on the south side of Hwy 529 in Lea County, NM.

NMCRIS No: 159952



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NMCRIS No: 159952

Proposed

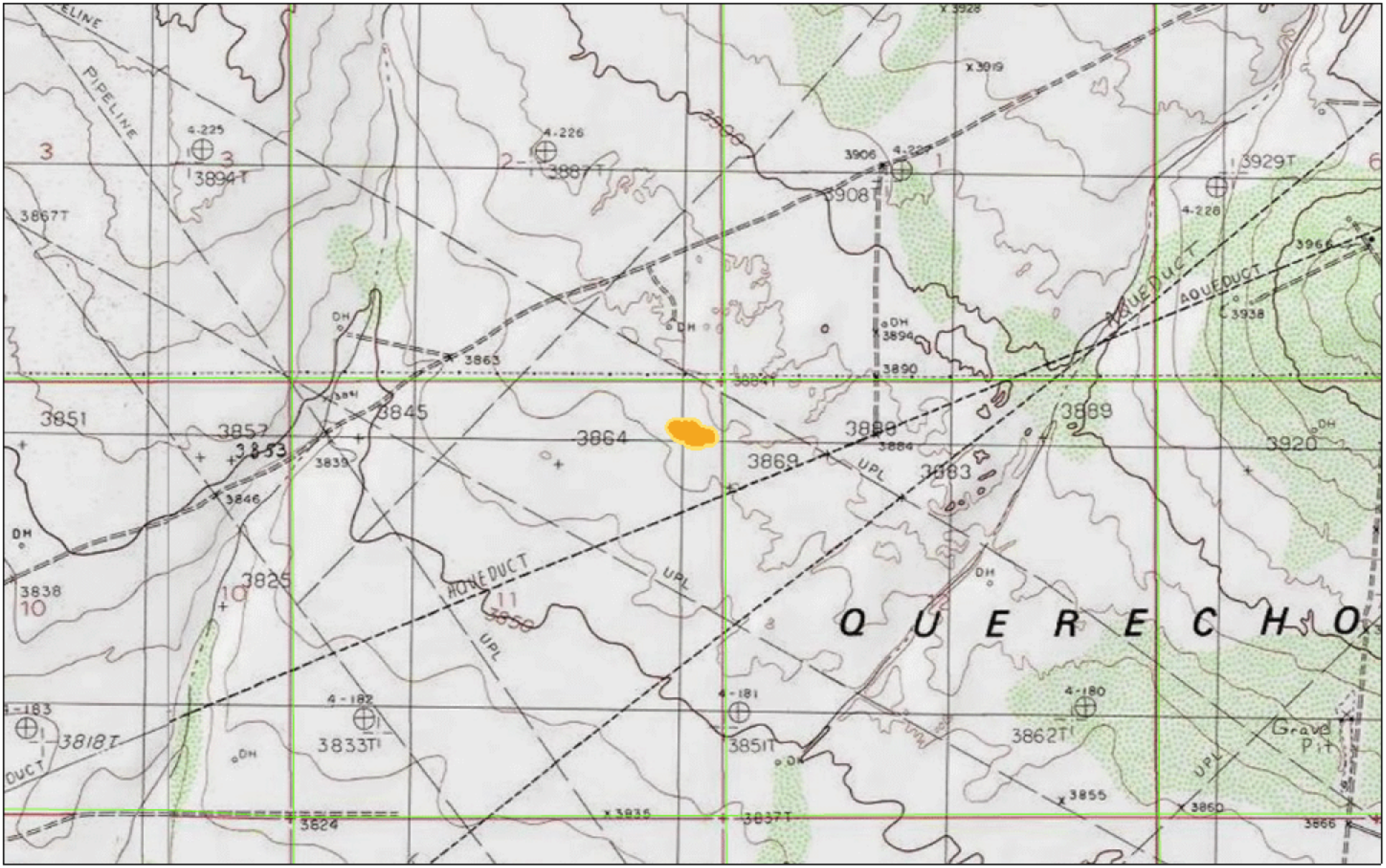
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NMCRIS No: 159952



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NMCRIS No: 159952

Proposed

1:24,000

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NMCRIS No: 159952



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NMCRIS No: 159952

Proposed

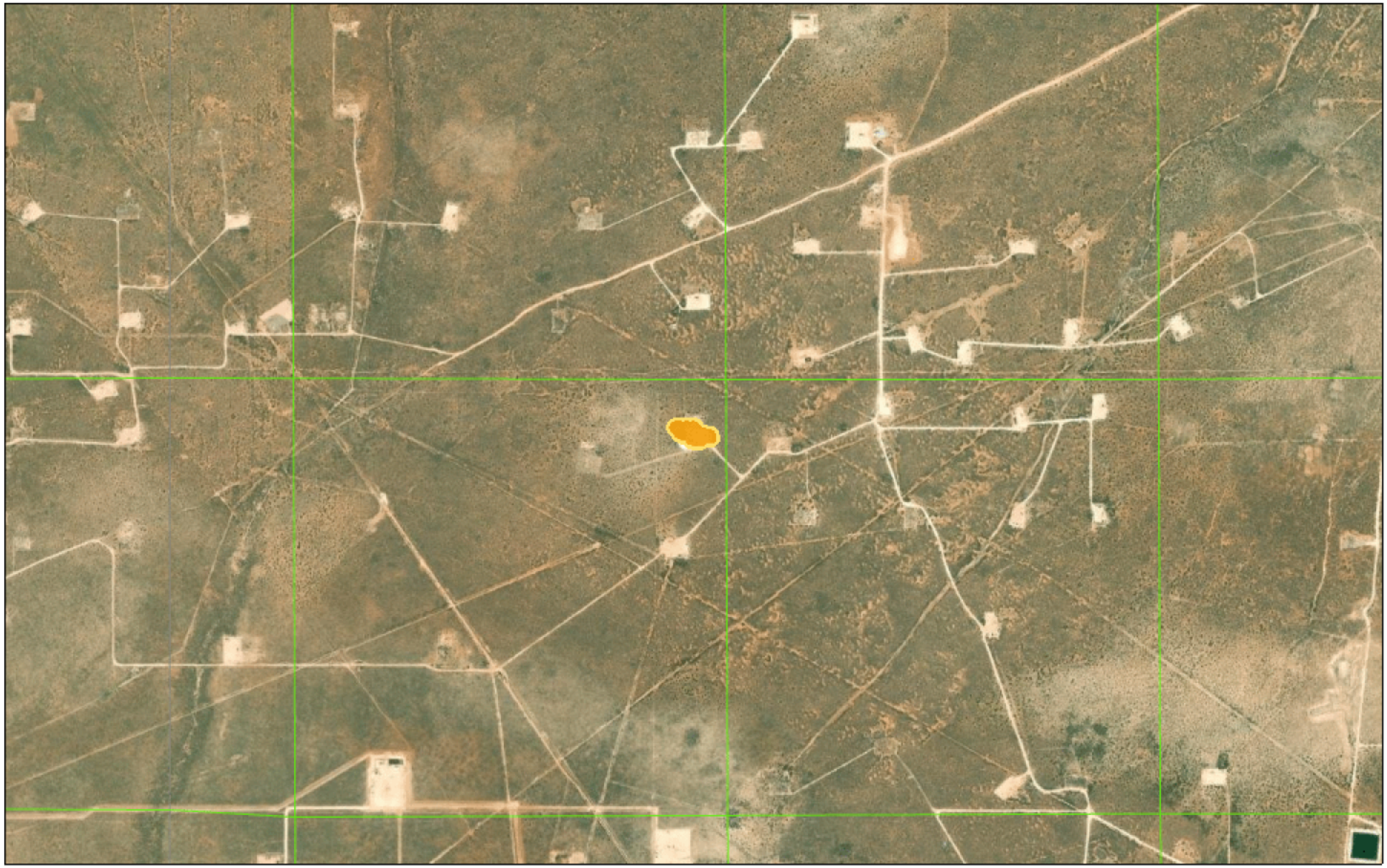
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Microsoft, Vantor

NMCRIS No: 159952



11/18/2025, 10:29:18 AM

NMCRIS No: 159952

Proposed

1:24,000

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0 0.28 0.55 1.1 km

Vantor

Report run on: Nov 18, 2025 10:29 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 159952 **HPD Log No(s).**

Methodology

Survey Field Methods

Intensity: 100% coverage

Configuration: ☐ Block Survey Units ☐ Linear Survey Units (l x y)

Other Survey Units irregular shape

Scope: All Resources

Coverage Method: ☑ Systematic Pedestrian Coverage **Other Method:**

Survey Interval (m): 15 **Crew Size** 1

Fieldwork Dates **From** 16-Nov-2025 **To** 16-Nov-2025

Survey Person Hours: 2.50 **Recording Person Hours** 0.00

Additional Narrative: The project consists of a 3.60-acre archaeological survey at the BTA YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area. Located in Township 18S Range 32E; Section 11, the project is on lands owned and administered by the Bureau of Land Management, Carlsbad Field Office. The project was delineated by coordinates marked on maps provided by the client, Carmona Resources of Midland, Texas. One archaeologist used topographic landmarks and associated project coordinates in conjunction with a GPS unit and staked areas to accurately locate the project boundaries. The single surveyor walked multiple, parallel, non-overlapping transects spaced at approximately 50 ft (15 m) intervals in accordance with BLM-CFO and NM State Land Office guidelines. All cultural resources encountered were documented (If present) and these resources are categorized as IOs (Isolated Occurrences) or archaeological sites. No new archaeological sites or historic properties (built environment/HCPIs) were encountered during the current survey. Likewise, no IOs were documented in this heavily disturbed project area. A records search of state and federal files was conducted on November 12, 2025. The NMCRIS online site records indicates indicates that there are no previously documented archaeological sites within the survey area. Only one archaeological site (LA 78610) is located within 0.5 miles of the project. Three additional archaeological sites have been recorded within an expanded search area of 1 mile (see attachments tab). No HCPIs fall within the search area. About 90 percent of the current survey area has been surveyed previously. None of these occurred within the last 10 years. Twelve relevant previous projects are included in the search (see attachments tab). Despite previous surveys, the entire buffered project area at the BTA YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area was inspected during the survey.

Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.)

Environmental Setting: The project area is best characterized as a rolling plain/flat. The survey occurs in a low area surrounded by low, dune-covered ridges. Elevation ranges from about 3,865-3,870 feet amsl. Desert scrub vegetation in undisturbed areas consists of mesquite, snakeweed, plains yucca, and grasses. Primarily due to the extensive disturbance in the project area, visibility averages over 95 percent. Soil consists of silty sand with caliche clasts, limestone pebbles,

Report run on: Nov 18, 2025 10:29 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 159952 **HPD Log No(s).**

Methodology

and a few lag gravels exposed in low and disturbed areas. In addition, imported gravels/cobbles occur in the project area. The project area is less than 10 percent intact with disturbances attributed to gas and oil development/release, wind and water erosion, livestock grazing, and bioturbation. One NRCS soil designation is mapped in the project area and consists of the Pyote and Maljamar fine sands (PU). The Pyote Maljamar fine sands occur on plains and rises within plains and consist of windblown/eolian sediments derived from sedimentary rock. A typical soil profile includes up to 30 inches of fine sand (A Horizon) followed by between 30-60 inches of fine sandy loam (Bt Horizon).

Percent Ground Visibility

Ground Visibility: 76-99%

Condition of Survey Area: Survey area is in poor condition and is less than 10 percent intact. Intact areas are associated with the survey buffer areas. Ninety-percent of the location has been mechanically disturbed and was the site of a well pad and release. Modern gas/oil-related debris was noted and includes wood, pipe fragments, plastic, and clear bottle glass. Other disturbance is attributed to wind and water erosion, bioturbation, and livestock grazing.

Attachments (check all appropriate boxes)

- [x] USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn (required)
- [x] Copy of NMCRIS Map Check (required)
- [ ] LA Site Forms - new sites (with sketch map & topographic map) if applicable
- [ ] LA Site Forms (update) - previously recorded & un-relocated sites (first 2 pages minimum)
- [ ] Historic Cultural Property Inventory Forms, if applicable
- [ ] List and Description of Isolates, if applicable
- [ ] List and Description of Collections, if applicable

Other Attachments

- [x] Photographs and Log
- [x] Other attachments **Describe:** FAR

Cultural Resource Findings

Investigation Results

Archaeological Sites Discovered and Registered:	0
Archaeological Sites Discovered and NOT Registered:	0
Previously Recorded Archaeological Sites Revisited (site update form required):	0
Previously Recorded Archaeological Sites Not Relocated (site update form required):	0
Total Archaeological Sites (visited & recorded):	0

Report run on: Nov 18, 2025 10:29 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 159952 **HPD Log No(s).**

Cultural Resource Findings (continued)

Total Isolates Recorded:	0
HCPI Properties Discovered and Registered:	0
HCPI Properties Discovered And NOT Registered:	0
Previously Recorded HCPI Properties Revisited:	0
Previously Recorded HCPI Properties NOT Relocated:	0
Total HCPI Properties (visited & recorded, including acequias):	0

If No Cultural Resources Found, Discuss Why: No previously recorded or new archaeological sites or HCPIs are found within the current survey and no isolated occurrences were encountered. About 90 percent of the current survey area has been surveyed previously. None of these within the last 10 years. Twelve relevant previous projects have occurred in the vicinity and 42 percent of these were negative for cultural resources. Previously recorded sites in the vicinity appear to correlate with prominent landforms and larger playas, none of which were present in the current survey area.

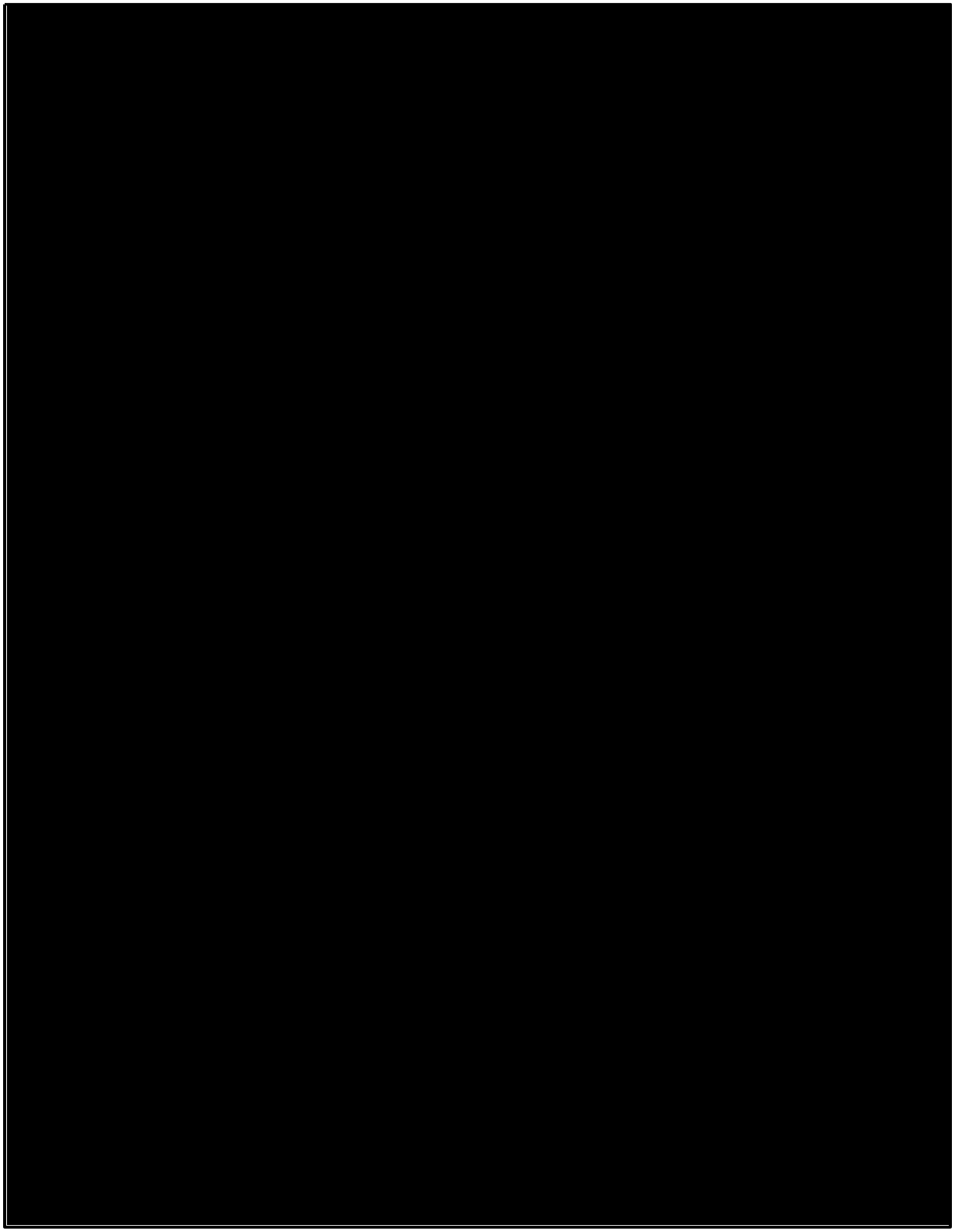
Management Summary

Summary: No new archaeological sites or historic properties (built environment) were encountered during the 3.60-acre release area survey. No isolated occurrences were documented likely due to the the high level of disturbance in the project area along with the small survey size, Archaeological clearance for the proposed remediation of the BTA YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area located in Lea County, New Mexico is recommended to proceed as currently defined. The BLMCFO should be immediately notified if cultural resources are encountered during any phase of this undertaking.

Attachments

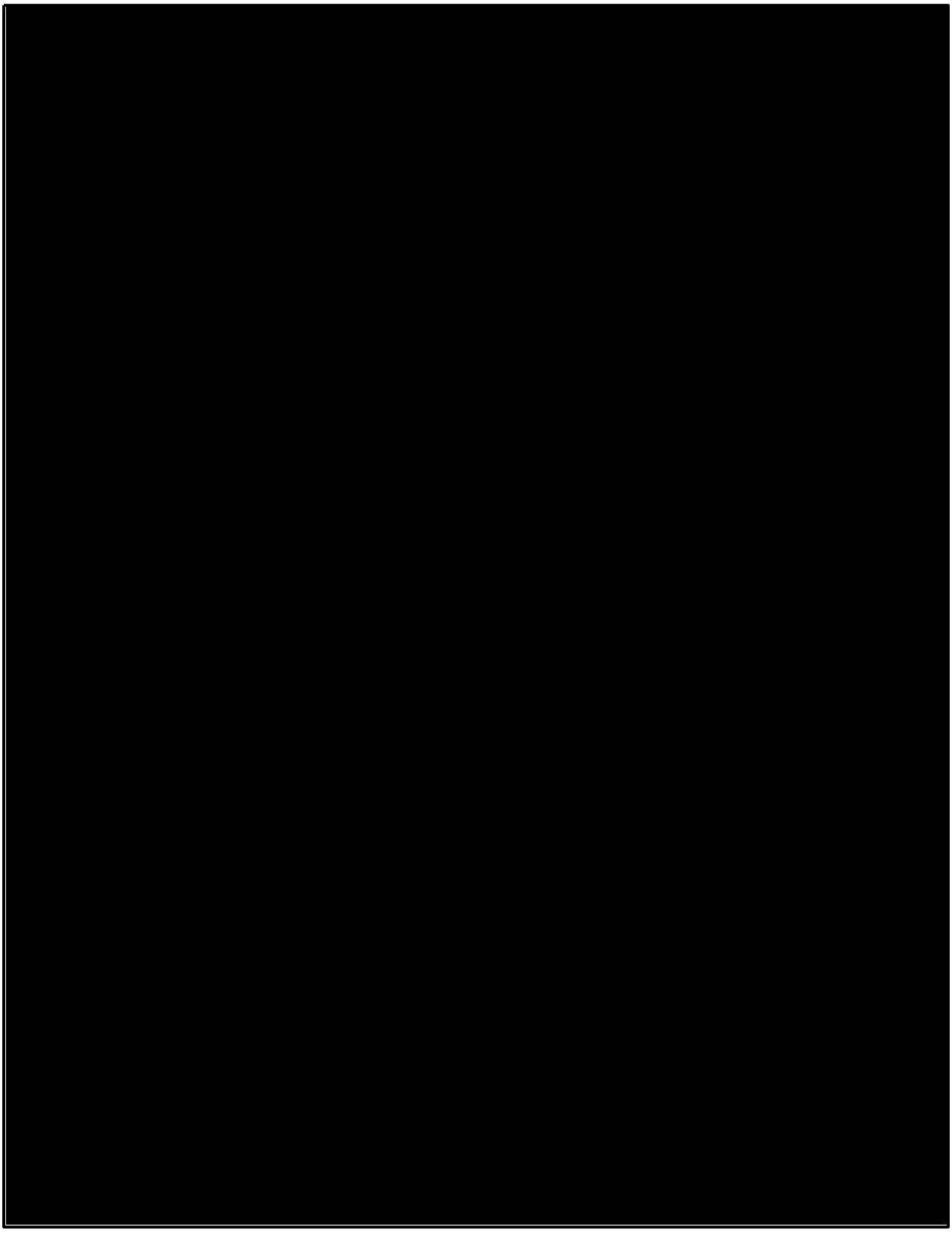
Attachment Type	Description	Name	File Type	Upload Date	Upload By

Project Maps



Project Area in Relation to Previously Documented Sites and Surveys on Topographic Background.

BTA - YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)_Release Area NMCRIS 159952



Project Area in Relation to Previously Documented Sites and Surveys on Aerial Background.

BTA - YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)_Release Area NMCRIS 159952

Files Search

Previously Recorded Archaeological Sites

LA No.	Distance from PA	NMCRIS Activity	Site Type	Description	Area (sq m)	Feature #/Type	Assemblage	Temporal	DOE
78610	0.18 miles NW	31321; 32901	Prehistoric/Features; 0% intact; site destroyed (1989)	Lithic and FCR scatter with four features; Mogollon temporal but no ceramics listed in record	7,500	4; midden (3), hearth (1)	10s lithics (debitage, cores/hammerstones, groundstone)	Mogollon (750 AD-1175 AD); Mogollon (1100 AD-1400 AD)	Eligible (1990; HPD Log 27485)
65908	0.63 miles E NE	19960	Prehistoric/No Features	Lithic and FCR scatter	7,800	N/A-FCR	10s lithics (debitage, groundstone)	Unknown Prehistoric (9500 BC-1850 AD)	Eligible (Recorder only)
79979	0.86 miles SE	32100; 32536	Prehistoric/No Features	Lithic, ceramic, and FCR scatter	7,500	N/A-FCR	100s total; ? lithics (debitage, cores/hammerstones, groundstone); ? Ceramics (types not specified); faunal	Mogollon (1100 AD-1400 AD)	Eligible? (no date or log # in record)
83679	1.0 miles SE	35357	Prehistoric/No Features	Lithic and FCR scatter	3,000	N/A-FCR	10s lithics (debitage, cores/hammerstones)	Unknown (9500 BC-1993 AD)	Eligible (1990; No HPD log #)

*search expanded to 1 mile from PA

BTA - YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)_Release Area NMCRIS 159952



NMCRIS Screen Showing Previously Recorded Archaeological Sites in Relation to Current Survey.

BTA - YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)_Release Area NMCRIS 159952



NMCRIS Screen Zoomed Showing Previously Recorded Archaeological Sites in Relation to Current Survey (in blue).

BTA - YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)_Release Area NMCRIS 159952

Previous Archaeological Surveys

Activity No.	Other Project or Report No.	Performing Agency	Author	Date	Reference	Project Lead	Project Description	Site Count
19456	87088	Pecos Archaeological Consultants	HUNT,J E	1987	8709 JV-P-YOUNG WELL #1 FOR BTA OIL PROD	US Bureau of Land Management Roswell District	4.28 Acre Survey	0
35055	90147	Pecos Archaeological Consultants	HUNT,J E	1990	HARVEY YATES YOUNG DEEP UNIT #24, HEYCO YOUNG DEEP UNIT #12, ETC FOR PRIDE	US Bureau of Land Management Roswell District	15.17 Acre Survey	0
20008	1987-07-N	New Mexico Archaeological Services, Inc	HASKELL,J L	1987	USA LEA 1653 FOR PHILLIPS 66 NATURAL GAS CO	US Bureau of Land Management Roswell District	3.35 Acre Survey	0
20560	88-11	Archaeological Survey Consultants	Sciscenti, James V.	1989	Archaeological Survey of the BTA Oil Producers Powerline R/W for the Young Federal Well No. 1 T18S, R32E, Section 11, Lea County, New Mexico	US Bureau of Land Management Roswell District	2.33 Acre Survey	0
35392	90168	Pecos Archaeological Consultants	HUNT,J E	1990	BTA YOUNG #1 ELECTRIC CABLE FOR PRIDE PIPELINE	US Bureau of Land Management Roswell District	2.35 Acre Survey	0
48888	22	Lone Mountain Archaeological Services	Cunningham, Vicky J.T. and Deni J. Seymour	1995	Regional Archaeological Survey of 85 Sections for the Maljamar 3-D Seismic Project Lea and Eddy Counties, New Mexico	US Bureau of Land Management Roswell District	8123.43 Acre Survey	62
31321	89148	Pecos Archaeological Consultants	MARTIN,R J	1989	WEST & SOUTH LEG PIPE LINES FOR PRIDE PIPELINE CO	US Bureau of Land Management Roswell District	178.30 Acre Survey	2
32901	90119	Pecos Archaeological Consultants	HUNT,J E ET AL	1990	SPEC SEISMIC TESTING LINE FOR WESTERN GEOPHYSICAL	US Bureau of Land Management Roswell District	217.55 Survey	7

BTA - YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)_Release Area NMCRIS 159952

Activity No.	Other Project or Report No.	Performing Agency	Author	Date	Reference	Project Lead	Project Description	Site Count
19960	87-249	Archaeological Survey Consultants	SCISCENTI,J V ET AL	1987	EWT #1 FED WELL #1 & ACCESS FOR HARVEY E YATES CO	US Bureau of Land Management Roswell District	10.40 Acre Survey	1
32100	1990-16-A	New Mexico Archaeological Services,Inc	HASKELL,J L	1990	CORRIENTA #1 & ACCESS ROAD FOR SANTA FE ENERGY	US Bureau of Land Management Roswell District	8.57 Acre Survey	1
32536	90-085	Archaeological Survey Consultants	GRIFFITHS,D M ET AL	1990	LEA CO GATHERING SYSTEM PIPE LINE R/W CORRIENTE 12 FED WELL #1 FOR T/NM PIPELINE	US Bureau of Land Management Roswell District	2.96 Acre Survey	1
35357	90-200	Archaeological Survey Consultants	GRIFFITHS,D M ET AL	1990	SHOOT 12 FED WELL #3 RELOCATION FOR HARVEY E YATES	US Bureau of Land Management Roswell District	10 Acre Survey	1

BTA - YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019)_Release Area NMCRIS 159952



NMCRIS Screen Showing Archaeological Survey Projects in Relation to Current Survey (in blue).

Project Photos



YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area_East-central survey area overview_E619009 N3626203_north.



YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area_East-central survey area overview_E619009 N3626203_west.



YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area_East edge survey buffer overview_E619048 N3626209_north.



YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area_Overview from NW edge release area_E618916 N3626241_south.



YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area_Overview from NW edge release area_E618916 N3626241_east.



YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area_Overview from NE edge release area_E618983 N3626238_south.



YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area_Overview from NE edge release area_E618983 N3626238_west.



YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area_Overview project area from access road_E619144 N3626074_NW.

Form 8151-3

Authorization # (BLM Use):

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELDWORK AUTHORIZATION REQUEST

To Conduct Specific Cultural Resource Work Under the Authority of a Cultural Resource Use Permit Issued by the Bureau of Land Management Pursuant to Sec. 302(b) of P.L. 94-579, October 21, 1976, 43 U.S.C. 1732 and Sec. 4 of P.L. 96-95, October 31, 1979, 16 U.S.C. 470cc

1. Name of Permittee and Company
   Amy B. Silberberg (DBA: AABS)

2. Date Permit Issued
   6/18/2025; 232-2920-24-G

3. Contact Telephone Number
   505-239-2307

4. Project Name and Client Name BTA YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area

5. Location of Work or Legal Description (Include map)
   a. Description of Public Lands Involved
   The proposed survey project consists of remediation of a release named YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area. Located in Section 11 in Township 18S Range 32E, the the project is on lands owned and administered by the Bureau of Land Management, Carlsbad Field Office. The survey area with buffer is estimated 1.10 acres. The project area is south of Maljamar, NM on the south side of Hwy 529 in Lea County. The survey area is depicted on the Dog Lake, NM USGS 7.5' quadrangle map.

6. Nature of Cultural Resource Work (Survey, APE, etc.)
   a. Identification of Previous Surveys and Sites (if applicable)
   The Project Area (PA) consists of an estimated 1.10 acre, irregularly shaped survey for the remediation of a release area named YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area. A review of the NMCRIS online site records indicates that there are no previously documented archaeological sites within the survey area. Only one archaeological site (LA 78610) is located within 0.5 miles of the project. Three additional archaeological sites have been recorded within an expanded search area of 1 mile (see attached NMCRIS Screen and Table 1). No HCPIs fall within the search area. About 90 percent of the current survey area has been surveyed previously. None of these within the last 10 years.. Twelve relevant previous projects are included in the search (see attached NMCRIS Screen and Table 2). The entire release area and buffer area for the proposed YOUNG, 8709 JV-P #001 HEATER TREATER (02.20.2019) - Release Area project will be inspected during the survey.

7. Name of Individual(s) Responsible for Planning & Supervising Field Work, & Approving Reports, Evaluations, & Recommendations
   Amy B. Silberberg

8. Signature of Individual Conducting Pre-Field Consultation
   Amy Silberberg

9. Date
   11/12/2025

· The individual named in item 7 above shall be present during the conduct of field work authorized herein, or shall notify the authorized officer of the need for any extended absence, and shall make provision that the work will be carried out under supervision of equal quality, by an individual approved by the authorized officer.

· All terms and conditions of the permit continue to apply; any special conditions attached hereto have the same force and effect as conditions of the permit.

· Permittee shall immediately notify the authorized officer of any change in items 3 through 7 above.

Fieldwork Authorization Request approved by:
Judith Smith
(Signature of BLM Authorized Officer)

Date: 11/12/2025

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/16/2025 2:08:58 PM

JOB DESCRIPTION

Young JV-P #001 Heater Treater
2822

JOB NUMBER

880-65927-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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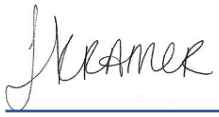
Eurofins Midland

Job Notes

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

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

Authorization



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Definitions/Glossary

Client: Carmona Resources Job ID: 880-65927-1
Project/Site: Young JV-P #001 Heater Treater SDG: 2822

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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)

Definitions/Glossary

Client: Carmona Resources Job ID: 880-65927-1
Project/Site: Young JV-P #001 Heater Treater SDG: 2822

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Young JV-P #001 Heater Treater

Job ID: 880-65927-1

Job ID: 880-65927-1 Eurofins Midland

Job Narrative
880-65927-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/9/2025 2:06 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 6.8°C.

Receipt Exceptions
The following sample(s) was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): Talked to Ashton

The following samples were received and analyzed from an unpreserved bulk soil jar: SP-1 (0-1.0') (880-65927-1), SP-1 (2.0') (880-65927-2), SP-1 (3.0') (880-65927-3), SP-1 (4.0') (880-65927-4), SP-1 (5.0') (880-65927-5), SP-2 (0-1.0') (880-65927-6), SP-2 (2.0') (880-65927-7), SP-2 (3.0') (880-65927-8), SP-2 (4.0') (880-65927-9), SP-2 (5.0') (880-65927-10), SP-3 (0-1.0') (880-65927-11), SP-3 (2.0') (880-65927-12), SP-3 (4.0') (880-65927-13), SP-3 (5.0') (880-65927-14), SP-4 (0-1.0') (880-65927-15), SP-4 (2.0') (880-65927-16), SP-4 (3.0') (880-65927-17), SP-4 (4.0') (880-65927-18), SP-4 (5.0') (880-65927-19), SP-5 (0-1.0') (880-65927-20), SP-5 (2.0') (880-65927-21), SP-5 (3.0') (880-65927-22), SP-5 (4.0') (880-65927-23), SP-5 (5.0') (880-65927-24), SP-6 (0-1.0') (880-65927-25), SP-6 (2.0') (880-65927-26), SP-6 (3.0') (880-65927-27), SP-6 (4.0') (880-65927-28), SP-6 (5.0') (880-65927-29), SP-7 (0-1.0') (880-65927-30), SP-7 (2.0') (880-65927-31), SP-7 (3.0') (880-65927-32), SP-7 (4.0') (880-65927-33), SP-7 (5.0') (880-65927-34), SP-8 (0-1.0') (880-65927-35), SP-8 (2.0') (880-65927-36), SP-8 (3.0') (880-65927-37), SP-8 (4.0') (880-65927-38), SP-8 (5.0') (880-65927-39), SP-9 (0-1.0') (880-65927-40), SP-9 (2.0) (880-65927-41), SP-9 (3.0') (880-65927-42), SP-9 (4.0') (880-65927-43), SP-9 (5.0') (880-65927-44) and SP-3 (3.0') (880-65927-45).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: SP-5 (2.0') (880-65927-21), SP-5 (3.0') (880-65927-22), SP-5 (4.0') (880-65927-23), SP-5 (5.0') (880-65927-24), SP-6 (0-1.0') (880-65927-25), SP-6 (2.0') (880-65927-26), SP-6 (3.0') (880-65927-27), SP-6 (4.0') (880-65927-28), SP-6 (5.0') (880-65927-29), SP-7 (0-1.0') (880-65927-30), SP-7 (2.0') (880-65927-31), SP-7 (3.0') (880-65927-32), SP-7 (4.0') (880-65927-33), SP-7 (5.0') (880-65927-34), SP-8 (0-1.0') (880-65927-35), SP-8 (2.0') (880-65927-36), SP-8 (3.0') (880-65927-37), SP-8 (4.0') (880-65927-38), SP-8 (5.0') (880-65927-39), SP-9 (0-1.0') (880-65927-40), (CCV 880-126591/2), (CCV 880-126591/20), (LCSD 880-126161/2-A), (880-65927-A-21-A MS) and (880-65927-A-21-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126161 and analytical batch 880-126591 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-126164 and analytical batch 880-126475 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-126161 and analytical batch 880-126591 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SP-1 (0-1.0') (880-65927-1), SP-1 (2.0') (880-65927-2), SP-1 (3.0') (880-65927-3), SP-2 (2.0') (880-65927-7), SP-4 (0-1.0') (880-65927-15), SP-4 (2.0') (880-65927-16), SP-4 (3.0') (880-65927-17) and SP-5 (0-1.0') (880-65927-20). Evidence of matrix interference is present; therefore, re-extraction

Case Narrative

Client: Carmona Resources Job ID: 880-65927-1
Project: Young JV-P #001 Heater Treater

Job ID: 880-65927-1 (Continued) Eurofins Midland

and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126160 and analytical batch 880-126319 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 880-126160 and analytical batch 880-126319 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: Surrogate recovery for the following samples were outside control limits: (LCS 880-126138/2-A) and (LCSD 880-126138/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-65928-A-2-B MS) and (880-65928-A-2-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-65927-A-4-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SP-2 (5.0') (880-65927-10). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-126203/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126203/2-A) and (LCSD 880-126203/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-126196 and analytical batch 880-126464 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126198/2-A) and (LCSD 880-126198/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-126198 and analytical batch 880-126615 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: An incorrect volume of spiking solution was inadvertently added to the laboratory control sample (LCS) associated with preparation batch 880-126282 and analytical batch 880-126291. Percent recoveries are based on the amount spiked.

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike duplicate (MSD) recoveries for preparation batch 880-126289 and analytical batch 880-126396 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The associated samples are: SP-3 (3.0') (880-65927-45) and (880-65927-A-45-E MSD).

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: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-1 (0-1.0')

Lab Sample ID: 880-65927-1
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 01:17	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		12/10/25 08:45	12/12/25 01:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 01:17	1
m,p-Xylenes	<0.00399	U F1 F2	0.00399		mg/Kg		12/10/25 08:45	12/12/25 01:17	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		12/10/25 08:45	12/12/25 01:17	1
Xylenes, Total	<0.00399	U F1 F2	0.00399		mg/Kg		12/10/25 08:45	12/12/25 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*12/10/25 08:45*	*12/12/25 01:17*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*12/10/25 08:45*	*12/12/25 01:17*	*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			12/12/25 01:17	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			12/13/25 03:52	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	<49.8	U	49.8		mg/Kg		12/09/25 15:40	12/13/25 03:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/09/25 15:40	12/13/25 03:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/09/25 15:40	12/13/25 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*127*		*70 - 130*	*12/09/25 15:40*	*12/13/25 03:52*	*1*
o-Terphenyl (Surr)	*130*		*70 - 130*	*12/09/25 15:40*	*12/13/25 03:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1050**		9.96		mg/Kg			12/11/25 12:02	1

Client Sample ID: SP-1 (2.0')

Lab Sample ID: 880-65927-2
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 01:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 01:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 01:38	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/10/25 08:45	12/12/25 01:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 01:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/10/25 08:45	12/12/25 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*12/10/25 08:45*	*12/12/25 01:38*	*1*
1,4-Difluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*12/10/25 08:45*	*12/12/25 01:38*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-1 (2.0')

Lab Sample ID: 880-65927-2
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/12/25 01:38	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			12/13/25 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	<50.0	U	50.0		mg/Kg		12/09/25 15:40	12/13/25 04:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/09/25 15:40	12/13/25 04:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/09/25 15:40	12/13/25 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*124*		*70 - 130*	*12/09/25 15:40*	*12/13/25 04:07*	*1*
o-Terphenyl (Surr)	*127*		*70 - 130*	*12/09/25 15:40*	*12/13/25 04:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1200**		10.0		mg/Kg			12/11/25 12:19	1

Client Sample ID: SP-1 (3.0')

Lab Sample ID: 880-65927-3
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 01:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 01:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 01:58	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/10/25 08:45	12/12/25 01:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 01:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/10/25 08:45	12/12/25 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*175*	*S1+*	*70 - 130*	*12/10/25 08:45*	*12/12/25 01:58*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*12/10/25 08:45*	*12/12/25 01:58*	*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			12/12/25 01:58	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			12/13/25 04:22	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		12/09/25 15:40	12/13/25 04:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/09/25 15:40	12/13/25 04:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-1 (3.0')

Lab Sample ID: 880-65927-3
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/09/25 15:40	12/13/25 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*12/09/25 15:40*	*12/13/25 04:22*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*12/09/25 15:40*	*12/13/25 04:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1960**		49.5		mg/Kg			12/11/25 12:24	5

Client Sample ID: SP-1 (4.0')

Lab Sample ID: 880-65927-4
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 02:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 02:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 02:19	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/10/25 08:45	12/12/25 02:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 02:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/10/25 08:45	12/12/25 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/10/25 08:45*	*12/12/25 02:19*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/10/25 08:45*	*12/12/25 02:19*	*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			12/12/25 02:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/25 23:52	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	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/12/25 23:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		12/10/25 11:46	12/12/25 23:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/12/25 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*12/10/25 11:46*	*12/12/25 23:52*	*1*
o-Terphenyl (Surr)	*73*		*70 - 130*	*12/10/25 11:46*	*12/12/25 23:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3550**		50.5		mg/Kg			12/11/25 12:30	5

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-1 (5.0')

Lab Sample ID: 880-65927-5
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 02:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:45	12/12/25 02:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:45	12/12/25 02:39	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		12/10/25 08:45	12/12/25 02:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:45	12/12/25 02:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/10/25 08:45	12/12/25 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/10/25 08:45*	*12/12/25 02:39*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/10/25 08:45*	*12/12/25 02:39*	*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			12/12/25 02:39	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			12/13/25 00:37	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	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 00:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 00:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*72*		*70 - 130*	*12/10/25 11:46*	*12/13/25 00:37*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*12/10/25 11:46*	*12/13/25 00:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2510**		50.3		mg/Kg			12/11/25 12:36	5

Client Sample ID: SP-2 (0-1.0')

Lab Sample ID: 880-65927-6
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 03:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 03:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 03:00	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/10/25 08:45	12/12/25 03:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 03:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/10/25 08:45	12/12/25 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*12/10/25 08:45*	*12/12/25 03:00*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/10/25 08:45*	*12/12/25 03:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-2 (0-1.0')

Lab Sample ID: 880-65927-6
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/12/25 03:00	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			12/13/25 00:52	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	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 00:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 00:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*72*		*70 - 130*	*12/10/25 11:46*	*12/13/25 00:52*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*12/10/25 11:46*	*12/13/25 00:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**323**		9.92		mg/Kg			12/11/25 12:53	1

Client Sample ID: SP-2 (2.0')

Lab Sample ID: 880-65927-7
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 03:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:45	12/12/25 03:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:45	12/12/25 03:20	1
m,p-Xylenes	**0.00442**		0.00396		mg/Kg		12/10/25 08:45	12/12/25 03:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:45	12/12/25 03:20	1
Xylenes, Total	**0.00442**		0.00396		mg/Kg		12/10/25 08:45	12/12/25 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*227*	*S1+*	*70 - 130*	*12/10/25 08:45*	*12/12/25 03:20*	*1*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*12/10/25 08:45*	*12/12/25 03:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00442**		0.00396		mg/Kg			12/12/25 03:20	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			12/13/25 01:07	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	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 01:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 01:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-2 (2.0')

Lab Sample ID: 880-65927-7
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 11:46	12/13/25 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*73*		*70 - 130*	*12/10/25 11:46*	*12/13/25 01:07*	*1*
o-Terphenyl (Surr)	*76*		*70 - 130*	*12/10/25 11:46*	*12/13/25 01:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.8**		10.1		mg/Kg			12/11/25 12:58	1

Client Sample ID: SP-2 (3.0')

Lab Sample ID: 880-65927-8
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 03:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 03:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 03:41	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/10/25 08:45	12/12/25 03:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 03:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/10/25 08:45	12/12/25 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/10/25 08:45*	*12/12/25 03:41*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/10/25 08:45*	*12/12/25 03:41*	*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			12/12/25 03:41	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			12/13/25 01:23	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	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 01:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 01:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*74*		*70 - 130*	*12/10/25 11:46*	*12/13/25 01:23*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*12/10/25 11:46*	*12/13/25 01:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.1**		10.1		mg/Kg			12/11/25 13:04	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-2 (4.0')

Lab Sample ID: 880-65927-9
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 04:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 04:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 04:01	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/10/25 08:45	12/12/25 04:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 04:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/10/25 08:45	12/12/25 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*12/10/25 08:45*	*12/12/25 04:01*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/10/25 08:45*	*12/12/25 04:01*	*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			12/12/25 04:01	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			12/13/25 01:37	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		12/10/25 11:46	12/13/25 01:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 01:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*81*		*70 - 130*	*12/10/25 11:46*	*12/13/25 01:37*	*1*
o-Terphenyl (Surr)	*79*		*70 - 130*	*12/10/25 11:46*	*12/13/25 01:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.5**		9.90		mg/Kg			12/11/25 13:09	1

Client Sample ID: SP-2 (5.0')

Lab Sample ID: 880-65927-10
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 04:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:45	12/12/25 04:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:45	12/12/25 04:22	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		12/10/25 08:45	12/12/25 04:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:45	12/12/25 04:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/10/25 08:45	12/12/25 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/10/25 08:45*	*12/12/25 04:22*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/10/25 08:45*	*12/12/25 04:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-2 (5.0')

Lab Sample ID: 880-65927-10
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/12/25 04:22	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			12/13/25 01:53	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		12/10/25 11:46	12/13/25 01:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 01:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*61*	*S1-*	*70 - 130*	*12/10/25 11:46*	*12/13/25 01:53*	*1*
o-Terphenyl (Surr)	*59*	*S1-*	*70 - 130*	*12/10/25 11:46*	*12/13/25 01:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.2**		10.1		mg/Kg			12/11/25 13:15	1

Client Sample ID: SP-3 (0-1.0')

Lab Sample ID: 880-65927-11
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 06:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 06:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 06:13	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/10/25 08:45	12/12/25 06:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 06:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/10/25 08:45	12/12/25 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/10/25 08:45*	*12/12/25 06:13*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/10/25 08:45*	*12/12/25 06:13*	*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			12/12/25 06:13	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			12/13/25 02:08	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		12/10/25 11:46	12/13/25 02:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/10/25 11:46	12/13/25 02:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-3 (0-1.0')

Lab Sample ID: 880-65927-11
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 11:46	12/13/25 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*74*		*70 - 130*	*12/10/25 11:46*	*12/13/25 02:08*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*12/10/25 11:46*	*12/13/25 02:08*	*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			12/11/25 13:21	1

Client Sample ID: SP-3 (2.0')

Lab Sample ID: 880-65927-12
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 06:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 06:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 06:33	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/10/25 08:45	12/12/25 06:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 06:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/10/25 08:45	12/12/25 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*12/10/25 08:45*	*12/12/25 06:33*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/10/25 08:45*	*12/12/25 06:33*	*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			12/12/25 06:33	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			12/13/25 02:22	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		12/10/25 11:46	12/13/25 02:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 02:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*76*		*70 - 130*	*12/10/25 11:46*	*12/13/25 02:22*	*1*
o-Terphenyl (Surr)	*76*		*70 - 130*	*12/10/25 11:46*	*12/13/25 02:22*	*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			12/11/25 13:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-3 (4.0')

Lab Sample ID: 880-65927-13
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 06:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:45	12/12/25 06:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:45	12/12/25 06:54	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		12/10/25 08:45	12/12/25 06:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:45	12/12/25 06:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/10/25 08:45	12/12/25 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/10/25 08:45*	*12/12/25 06:54*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/10/25 08:45*	*12/12/25 06:54*	*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			12/12/25 06:54	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			12/13/25 02:38	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	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 02:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 02:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*12/10/25 11:46*	*12/13/25 02:38*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*12/10/25 11:46*	*12/13/25 02:38*	*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			12/11/25 13:43	1

Client Sample ID: SP-3 (5.0')

Lab Sample ID: 880-65927-14
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 07:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 07:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 07:14	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/10/25 08:45	12/12/25 07:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 07:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/10/25 08:45	12/12/25 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/10/25 08:45*	*12/12/25 07:14*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/10/25 08:45*	*12/12/25 07:14*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-3 (5.0')

Lab Sample ID: 880-65927-14
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/12/25 07:14	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			12/13/25 03:07	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	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 03:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 03:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*77*		*70 - 130*	*12/10/25 11:46*	*12/13/25 03:07*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*12/10/25 11:46*	*12/13/25 03:07*	*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			12/11/25 14:00	1

Client Sample ID: SP-4 (0-1.0')

Lab Sample ID: 880-65927-15
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 07:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 07:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 07:35	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/10/25 08:45	12/12/25 07:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 07:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/10/25 08:45	12/12/25 07:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*12/10/25 08:45*	*12/12/25 07:35*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/10/25 08:45*	*12/12/25 07:35*	*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			12/12/25 07:35	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			12/13/25 03:23	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	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 03:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 03:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-4 (0-1.0')

Lab Sample ID: 880-65927-15
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*75*		*70 - 130*	*12/10/25 11:46*	*12/13/25 03:23*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*12/10/25 11:46*	*12/13/25 03:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**232**		10.1		mg/Kg			12/11/25 14:06	1

Client Sample ID: SP-4 (2.0')

Lab Sample ID: 880-65927-16
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 07:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 07:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 07:55	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/10/25 08:45	12/12/25 07:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 07:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/10/25 08:45	12/12/25 07:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*234*	*S1+*	*70 - 130*	*12/10/25 08:45*	*12/12/25 07:55*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*12/10/25 08:45*	*12/12/25 07:55*	*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			12/12/25 07:55	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			12/13/25 03:38	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	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 03:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 03:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*74*		*70 - 130*	*12/10/25 11:46*	*12/13/25 03:38*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*12/10/25 11:46*	*12/13/25 03:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		10.1		mg/Kg			12/11/25 14:11	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-4 (3.0')

Lab Sample ID: 880-65927-17
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 08:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 08:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 08:16	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/10/25 08:45	12/12/25 08:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:45	12/12/25 08:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/10/25 08:45	12/12/25 08:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*227*	*S1+*	*70 - 130*	*12/10/25 08:45*	*12/12/25 08:16*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*12/10/25 08:45*	*12/12/25 08:16*	*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			12/12/25 08:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/13/25 03:53	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	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 03:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 03:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*12/10/25 11:46*	*12/13/25 03:53*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*12/10/25 11:46*	*12/13/25 03:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.1**		9.98		mg/Kg			12/11/25 14:17	1

Client Sample ID: SP-4 (4.0')

Lab Sample ID: 880-65927-18
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 08:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:45	12/12/25 08:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:45	12/12/25 08:36	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		12/10/25 08:45	12/12/25 08:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:45	12/12/25 08:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/10/25 08:45	12/12/25 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*12/10/25 08:45*	*12/12/25 08:36*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/10/25 08:45*	*12/12/25 08:36*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-4 (4.0')

Lab Sample ID: 880-65927-18
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/12/25 08:36	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			12/13/25 04:08	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	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 04:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 04:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*12/10/25 11:46*	*12/13/25 04:08*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*12/10/25 11:46*	*12/13/25 04:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**276**		10.1		mg/Kg			12/11/25 14:23	1

Client Sample ID: SP-4 (5.0')

Lab Sample ID: 880-65927-19
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 08:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 08:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 08:57	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/10/25 08:45	12/12/25 08:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:45	12/12/25 08:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/10/25 08:45	12/12/25 08:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*12/10/25 08:45*	*12/12/25 08:57*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/10/25 08:45*	*12/12/25 08:57*	*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			12/12/25 08:57	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			12/13/25 04:23	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	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 04:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 04:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-4 (5.0')

Lab Sample ID: 880-65927-19
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:46	12/13/25 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*72*		*70 - 130*	*12/10/25 11:46*	*12/13/25 04:23*	*1*
o-Terphenyl (Surr)	*72*		*70 - 130*	*12/10/25 11:46*	*12/13/25 04:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**561**		10.1		mg/Kg			12/11/25 14:28	1

Client Sample ID: SP-5 (0-1.0')

Lab Sample ID: 880-65927-20
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:45	12/12/25 09:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:45	12/12/25 09:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:45	12/12/25 09:17	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		12/10/25 08:45	12/12/25 09:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:45	12/12/25 09:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/10/25 08:45	12/12/25 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*202*	*S1+*	*70 - 130*	*12/10/25 08:45*	*12/12/25 09:17*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*12/10/25 08:45*	*12/12/25 09:17*	*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			12/12/25 09:17	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			12/13/25 04:38	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	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 04:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 04:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*12/10/25 11:46*	*12/13/25 04:38*	*1*
o-Terphenyl (Surr)	*80*		*70 - 130*	*12/10/25 11:46*	*12/13/25 04:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**176**		9.92		mg/Kg			12/11/25 14:34	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-5 (2.0')

Lab Sample ID: 880-65927-21
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		12/10/25 08:50	12/13/25 14:56	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		12/10/25 08:50	12/13/25 14:56	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		12/10/25 08:50	12/13/25 14:56	1
m,p-Xylenes	<0.00399	U F1 F2	0.00399		mg/Kg		12/10/25 08:50	12/13/25 14:56	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		12/10/25 08:50	12/13/25 14:56	1
Xylenes, Total	<0.00399	U F1 F2	0.00399		mg/Kg		12/10/25 08:50	12/13/25 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*174*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 14:56*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/10/25 08:50*	*12/13/25 14:56*	*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			12/13/25 14:56	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			12/13/25 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	<49.8	U	49.8		mg/Kg		12/10/25 11:46	12/13/25 04:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/10/25 11:46	12/13/25 04:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/10/25 11:46	12/13/25 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*77*		*70 - 130*	*12/10/25 11:46*	*12/13/25 04:54*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*12/10/25 11:46*	*12/13/25 04:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**331**		10.0		mg/Kg			12/11/25 18:17	1

Client Sample ID: SP-5 (3.0')

Lab Sample ID: 880-65927-22
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 15:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 15:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 15:16	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/10/25 08:50	12/13/25 15:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 15:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/10/25 08:50	12/13/25 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 15:16*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*12/10/25 08:50*	*12/13/25 15:16*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-5 (3.0')

Lab Sample ID: 880-65927-22
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/13/25 15:16	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			12/13/25 05:09	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		12/10/25 11:46	12/13/25 05:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 05:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/13/25 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*73*		*70 - 130*	*12/10/25 11:46*	*12/13/25 05:09*	*1*
o-Terphenyl (Surr)	*72*		*70 - 130*	*12/10/25 11:46*	*12/13/25 05:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**655**		9.90		mg/Kg			12/11/25 18:32	1

Client Sample ID: SP-5 (4.0')

Lab Sample ID: 880-65927-23
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 15:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 15:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 15:37	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		12/10/25 08:50	12/13/25 15:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 15:37	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/10/25 08:50	12/13/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 15:37*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/10/25 08:50*	*12/13/25 15:37*	*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			12/13/25 15:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/13/25 05:23	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	<50.1	U	50.1		mg/Kg		12/10/25 11:46	12/13/25 05:23	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/10/25 11:46	12/13/25 05:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-5 (4.0')

Lab Sample ID: 880-65927-23
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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)	<50.1	U	50.1		mg/Kg		12/10/25 11:46	12/13/25 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*76*		*70 - 130*	*12/10/25 11:46*	*12/13/25 05:23*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*12/10/25 11:46*	*12/13/25 05:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1170**		10.1		mg/Kg			12/11/25 18:37	1

Client Sample ID: SP-5 (5.0')

Lab Sample ID: 880-65927-24
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 15:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:50	12/13/25 15:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:50	12/13/25 15:57	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/10/25 08:50	12/13/25 15:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:50	12/13/25 15:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/10/25 08:50	12/13/25 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 15:57*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/10/25 08:50*	*12/13/25 15:57*	*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			12/13/25 15:57	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			12/16/25 00:16	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		12/10/25 11:49	12/16/25 00:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 00:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*12/10/25 11:49*	*12/16/25 00:16*	*1*
o-Terphenyl (Surr)	*111*		*70 - 130*	*12/10/25 11:49*	*12/16/25 00:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1050**		10.1		mg/Kg			12/11/25 18:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-6 (0-1.0')

Lab Sample ID: 880-65927-25
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 16:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:50	12/13/25 16:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:50	12/13/25 16:17	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		12/10/25 08:50	12/13/25 16:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:50	12/13/25 16:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/10/25 08:50	12/13/25 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 16:17*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/10/25 08:50*	*12/13/25 16:17*	*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			12/13/25 16:17	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			12/16/25 00:58	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	<50.1	U	50.1		mg/Kg		12/10/25 11:49	12/16/25 00:58	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/10/25 11:49	12/16/25 00:58	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/10/25 11:49	12/16/25 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*12/10/25 11:49*	*12/16/25 00:58*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*12/10/25 11:49*	*12/16/25 00:58*	*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			12/11/25 18:47	1

Client Sample ID: SP-6 (2.0')

Lab Sample ID: 880-65927-26
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 16:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 16:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 16:38	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/10/25 08:50	12/13/25 16:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 16:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/10/25 08:50	12/13/25 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 16:38*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/10/25 08:50*	*12/13/25 16:38*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-6 (2.0')

Lab Sample ID: 880-65927-26
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/13/25 16:38	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			12/16/25 01:12	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	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 01:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 01:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*12/10/25 11:49*	*12/16/25 01:12*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*12/10/25 11:49*	*12/16/25 01:12*	*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			12/11/25 19:07	1

Client Sample ID: SP-6 (3.0')

Lab Sample ID: 880-65927-27
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 16:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 16:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 16:58	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/10/25 08:50	12/13/25 16:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 16:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/10/25 08:50	12/13/25 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 16:58*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*12/10/25 08:50*	*12/13/25 16:58*	*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			12/13/25 16:58	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			12/16/25 01:26	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	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 01:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 01:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-6 (3.0')

Lab Sample ID: 880-65927-27
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 11:49	12/16/25 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*12/10/25 11:49*	*12/16/25 01:26*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*12/10/25 11:49*	*12/16/25 01:26*	*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			12/11/25 19:12	1

Client Sample ID: SP-6 (4.0')

Lab Sample ID: 880-65927-28
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 17:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 17:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 17:19	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		12/10/25 08:50	12/13/25 17:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 17:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/10/25 08:50	12/13/25 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 17:19*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*12/10/25 08:50*	*12/13/25 17:19*	*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			12/13/25 17:19	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			12/16/25 01:40	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		12/10/25 11:49	12/16/25 01:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 01:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*12/10/25 11:49*	*12/16/25 01:40*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*12/10/25 11:49*	*12/16/25 01:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.9**		9.90		mg/Kg			12/11/25 19:17	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-6 (5.0')

Lab Sample ID: 880-65927-29
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 17:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:50	12/13/25 17:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:50	12/13/25 17:39	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/10/25 08:50	12/13/25 17:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:50	12/13/25 17:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/10/25 08:50	12/13/25 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 17:39*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/10/25 08:50*	*12/13/25 17:39*	*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			12/13/25 17:39	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			12/16/25 01:55	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		12/10/25 11:49	12/16/25 01:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 01:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*12/10/25 11:49*	*12/16/25 01:55*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*12/10/25 11:49*	*12/16/25 01:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**315**		10.1		mg/Kg			12/11/25 19:22	1

Client Sample ID: SP-7 (0-1.0')

Lab Sample ID: 880-65927-30
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 18:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:50	12/13/25 18:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:50	12/13/25 18:00	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		12/10/25 08:50	12/13/25 18:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:50	12/13/25 18:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/10/25 08:50	12/13/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 18:00*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/10/25 08:50*	*12/13/25 18:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-7 (0-1.0')

Lab Sample ID: 880-65927-30
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/13/25 18:00	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			12/16/25 02:08	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	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 02:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 02:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*12/10/25 11:49*	*12/16/25 02:08*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*12/10/25 11:49*	*12/16/25 02:08*	*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			12/11/25 19:27	1

Client Sample ID: SP-7 (2.0')

Lab Sample ID: 880-65927-31
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 19:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 19:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 19:34	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/10/25 08:50	12/13/25 19:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 19:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/10/25 08:50	12/13/25 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*182*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 19:34*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*12/10/25 08:50*	*12/13/25 19:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/13/25 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			12/16/25 02:22	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		12/10/25 11:49	12/16/25 02:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 02:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-7 (2.0')

Lab Sample ID: 880-65927-31
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*12/10/25 11:49*	*12/16/25 02:22*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*12/10/25 11:49*	*12/16/25 02:22*	*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			12/11/25 19:31	1

Client Sample ID: SP-7 (3.0')

Lab Sample ID: 880-65927-32
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 19:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 19:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 19:54	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/10/25 08:50	12/13/25 19:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 19:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/10/25 08:50	12/13/25 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*177*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 19:54*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/10/25 08:50*	*12/13/25 19:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/13/25 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	<50.0	U	50.0		mg/Kg			12/16/25 02:37	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	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 02:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 02:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*12/10/25 11:49*	*12/16/25 02:37*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*12/10/25 11:49*	*12/16/25 02:37*	*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			12/11/25 19:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-7 (4.0')

Lab Sample ID: 880-65927-33
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 20:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 20:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 20:15	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/10/25 08:50	12/13/25 20:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 20:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/10/25 08:50	12/13/25 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 20:15*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*12/10/25 08:50*	*12/13/25 20:15*	*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			12/13/25 20:15	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			12/16/25 02:52	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		12/10/25 11:49	12/16/25 02:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 02:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*12/10/25 11:49*	*12/16/25 02:52*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*12/10/25 11:49*	*12/16/25 02:52*	*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			12/11/25 19:51	1

Client Sample ID: SP-7 (5.0')

Lab Sample ID: 880-65927-34
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 20:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 20:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 20:35	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		12/10/25 08:50	12/13/25 20:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 20:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/10/25 08:50	12/13/25 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*173*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 20:35*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/10/25 08:50*	*12/13/25 20:35*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-7 (5.0')

Lab Sample ID: 880-65927-34
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/13/25 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	<50.0	U	50.0		mg/Kg			12/16/25 03:20	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		12/10/25 11:49	12/16/25 03:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 03:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*70 - 130*	*12/10/25 11:49*	*12/16/25 03:20*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*12/10/25 11:49*	*12/16/25 03:20*	*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			12/11/25 20:06	1

Client Sample ID: SP-8 (0-1.0')

Lab Sample ID: 880-65927-35
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 20:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:50	12/13/25 20:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:50	12/13/25 20:56	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/10/25 08:50	12/13/25 20:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:50	12/13/25 20:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/10/25 08:50	12/13/25 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 20:56*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/10/25 08:50*	*12/13/25 20:56*	*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			12/13/25 20:56	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			12/16/25 03:34	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	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 03:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 03:34	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-8 (0-1.0')

Lab Sample ID: 880-65927-35
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*12/10/25 11:49*	*12/16/25 03:34*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*12/10/25 11:49*	*12/16/25 03:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.9**		10.1		mg/Kg			12/11/25 20:11	1

Client Sample ID: SP-8 (2.0')

Lab Sample ID: 880-65927-36
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 21:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 21:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 21:16	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/10/25 08:50	12/13/25 21:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 21:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/10/25 08:50	12/13/25 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 21:16*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/10/25 08:50*	*12/13/25 21:16*	*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			12/13/25 21:16	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			12/16/25 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	<50.1	U	50.1		mg/Kg		12/10/25 11:49	12/16/25 03:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/10/25 11:49	12/16/25 03:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/10/25 11:49	12/16/25 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*12/10/25 11:49*	*12/16/25 03:48*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*12/10/25 11:49*	*12/16/25 03:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		10.0		mg/Kg			12/11/25 20:16	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-8 (3.0')

Lab Sample ID: 880-65927-37
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 21:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:50	12/13/25 21:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:50	12/13/25 21:37	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		12/10/25 08:50	12/13/25 21:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:50	12/13/25 21:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/10/25 08:50	12/13/25 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 21:37*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*12/10/25 08:50*	*12/13/25 21:37*	*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			12/13/25 21:37	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			12/16/25 04:03	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	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 04:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 04:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*12/10/25 11:49*	*12/16/25 04:03*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*12/10/25 11:49*	*12/16/25 04:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**656**		9.90		mg/Kg			12/11/25 20:21	1

Client Sample ID: SP-8 (4.0')

Lab Sample ID: 880-65927-38
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 21:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 21:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 21:57	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/10/25 08:50	12/13/25 21:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 21:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/10/25 08:50	12/13/25 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 21:57*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/10/25 08:50*	*12/13/25 21:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-8 (4.0')

Lab Sample ID: 880-65927-38
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/13/25 21:57	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			12/16/25 04:16	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		12/10/25 11:49	12/16/25 04:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 04:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*12/10/25 11:49*	*12/16/25 04:16*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*12/10/25 11:49*	*12/16/25 04:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1320**		10.1		mg/Kg			12/11/25 20:26	1

Client Sample ID: SP-8 (5.0')

Lab Sample ID: 880-65927-39
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 22:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 22:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 22:18	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/10/25 08:50	12/13/25 22:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:50	12/13/25 22:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/10/25 08:50	12/13/25 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 22:18*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/10/25 08:50*	*12/13/25 22:18*	*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			12/13/25 22:18	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			12/16/25 04:30	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	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 04:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 04:30	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-8 (5.0')

Lab Sample ID: 880-65927-39
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 11:49	12/16/25 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*12/10/25 11:49*	*12/16/25 04:30*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*12/10/25 11:49*	*12/16/25 04:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		10.0		mg/Kg			12/11/25 20:31	1

Client Sample ID: SP-9 (0-1.0')

Lab Sample ID: 880-65927-40
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:50	12/13/25 22:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 22:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 22:38	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		12/10/25 08:50	12/13/25 22:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:50	12/13/25 22:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/10/25 08:50	12/13/25 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 22:38*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*12/10/25 08:50*	*12/13/25 22:38*	*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			12/13/25 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**109**		50.0		mg/Kg			12/16/25 04:45	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		12/10/25 11:49	12/16/25 04:45	1
Diesel Range Organics (Over C10-C28)	**109**		50.0		mg/Kg		12/10/25 11:49	12/16/25 04:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*12/10/25 11:49*	*12/16/25 04:45*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*12/10/25 11:49*	*12/16/25 04:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.3**		9.98		mg/Kg			12/11/25 20:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-9 (2.0)

Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Lab Sample ID: 880-65927-41
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		12/10/25 08:52	12/12/25 13:26	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		12/10/25 08:52	12/12/25 13:26	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		12/10/25 08:52	12/12/25 13:26	1
m,p-Xylenes	<0.00399	U F2 F1	0.00399		mg/Kg		12/10/25 08:52	12/12/25 13:26	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		12/10/25 08:52	12/12/25 13:26	1
Xylenes, Total	<0.00399	U F2 F1	0.00399		mg/Kg		12/10/25 08:52	12/12/25 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/10/25 08:52*	*12/12/25 13:26*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/10/25 08:52*	*12/12/25 13:26*	*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			12/12/25 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**114**		49.9		mg/Kg			12/16/25 04:58	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		12/10/25 11:49	12/16/25 04:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:49	12/16/25 04:58	1
Oil Range Organics (Over C28-C36)	**114**		49.9		mg/Kg		12/10/25 11:49	12/16/25 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*12/10/25 11:49*	*12/16/25 04:58*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*12/10/25 11:49*	*12/16/25 04:58*	*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			12/11/25 18:22	1

Client Sample ID: SP-9 (3.0')

Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Lab Sample ID: 880-65927-42
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		12/10/25 08:52	12/12/25 13:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:52	12/12/25 13:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:52	12/12/25 13:47	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/10/25 08:52	12/12/25 13:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/10/25 08:52	12/12/25 13:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/10/25 08:52	12/12/25 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*12/10/25 08:52*	*12/12/25 13:47*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/10/25 08:52*	*12/12/25 13:47*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-9 (3.0')

Lab Sample ID: 880-65927-42
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			12/12/25 13:47	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			12/16/25 05:13	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	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 05:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 05:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*12/10/25 11:49*	*12/16/25 05:13*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*12/10/25 11:49*	*12/16/25 05:13*	*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			12/11/25 18:43	1

Client Sample ID: SP-9 (4.0')

Lab Sample ID: 880-65927-43
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:52	12/12/25 14:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:52	12/12/25 14:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:52	12/12/25 14:08	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		12/10/25 08:52	12/12/25 14:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/10/25 08:52	12/12/25 14:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/10/25 08:52	12/12/25 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*12/10/25 08:52*	*12/12/25 14:08*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*12/10/25 08:52*	*12/12/25 14:08*	*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			12/12/25 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**79.6**		50.0		mg/Kg			12/16/25 05:27	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		12/10/25 11:49	12/16/25 05:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/16/25 05:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-9 (4.0')

Lab Sample ID: 880-65927-43
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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)	79.6		50.0		mg/Kg		12/10/25 11:49	12/16/25 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*12/10/25 11:49*	*12/16/25 05:27*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*12/10/25 11:49*	*12/16/25 05:27*	*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			12/11/25 18:50	1

Client Sample ID: SP-9 (5.0')

Lab Sample ID: 880-65927-44
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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		12/10/25 08:52	12/12/25 14:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:52	12/12/25 14:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:52	12/12/25 14:28	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/10/25 08:52	12/12/25 14:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/10/25 08:52	12/12/25 14:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/10/25 08:52	12/12/25 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/10/25 08:52*	*12/12/25 14:28*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/10/25 08:52*	*12/12/25 14:28*	*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			12/12/25 14:28	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			12/12/25 23:52	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	<50.2	U	50.2		mg/Kg		12/10/25 11:55	12/12/25 23:52	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/10/25 11:55	12/12/25 23:52	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/10/25 11:55	12/12/25 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*12/10/25 11:55*	*12/12/25 23:52*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*12/10/25 11:55*	*12/12/25 23:52*	*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			12/11/25 18:57	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-3 (3.0')

Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Lab Sample ID: 880-65927-45

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		12/10/25 08:52	12/12/25 14:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:52	12/12/25 14:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:52	12/12/25 14:49	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		12/10/25 08:52	12/12/25 14:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/10/25 08:52	12/12/25 14:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/10/25 08:52	12/12/25 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/10/25 08:52*	*12/12/25 14:49*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/10/25 08:52*	*12/12/25 14:49*	*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			12/12/25 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/13/25 00:37	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		12/10/25 11:55	12/13/25 00:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 11:55	12/13/25 00:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 11:55	12/13/25 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*12/10/25 11:55*	*12/13/25 00:37*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*12/10/25 11:55*	*12/13/25 00:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U F1	10.0		mg/Kg			12/12/25 01:07	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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)
880-65927-1	SP-1 (0-1.0')	167 S1+	70
880-65927-1 MS	SP-1 (0-1.0')	91	91
880-65927-1 MSD	SP-1 (0-1.0')	210 S1+	128
880-65927-2	SP-1 (2.0')	122	59 S1-
880-65927-3	SP-1 (3.0')	175 S1+	123
880-65927-4	SP-1 (4.0')	93	109
880-65927-5	SP-1 (5.0')	114	93
880-65927-6	SP-2 (0-1.0')	126	105
880-65927-7	SP-2 (2.0')	227 S1+	129
880-65927-8	SP-2 (3.0')	96	98
880-65927-9	SP-2 (4.0')	117	108
880-65927-10	SP-2 (5.0')	115	103
880-65927-11	SP-3 (0-1.0')	105	103
880-65927-12	SP-3 (2.0')	116	109
880-65927-13	SP-3 (4.0')	107	108
880-65927-14	SP-3 (5.0')	114	99
880-65927-15	SP-4 (0-1.0')	136 S1+	107
880-65927-16	SP-4 (2.0')	234 S1+	77
880-65927-17	SP-4 (3.0')	227 S1+	82
880-65927-18	SP-4 (4.0')	126	114
880-65927-19	SP-4 (5.0')	117	109
880-65927-20	SP-5 (0-1.0')	202 S1+	72
880-65927-21	SP-5 (2.0')	174 S1+	98
880-65927-21 MS	SP-5 (2.0')	151 S1+	90
880-65927-21 MSD	SP-5 (2.0')	140 S1+	90
880-65927-22	SP-5 (3.0')	166 S1+	120
880-65927-23	SP-5 (4.0')	151 S1+	94
880-65927-24	SP-5 (5.0')	161 S1+	99
880-65927-25	SP-6 (0-1.0')	152 S1+	85
880-65927-26	SP-6 (2.0')	166 S1+	107
880-65927-27	SP-6 (3.0')	152 S1+	79
880-65927-28	SP-6 (4.0')	163 S1+	87
880-65927-29	SP-6 (5.0')	153 S1+	99
880-65927-30	SP-7 (0-1.0')	163 S1+	104
880-65927-31	SP-7 (2.0')	182 S1+	127
880-65927-32	SP-7 (3.0')	177 S1+	95
880-65927-33	SP-7 (4.0')	152 S1+	83
880-65927-34	SP-7 (5.0')	173 S1+	97
880-65927-35	SP-8 (0-1.0')	167 S1+	98
880-65927-36	SP-8 (2.0')	163 S1+	103
880-65927-37	SP-8 (3.0')	146 S1+	84
880-65927-38	SP-8 (4.0')	151 S1+	99
880-65927-39	SP-8 (5.0')	153 S1+	99
880-65927-40	SP-9 (0-1.0')	136 S1+	86
880-65927-41	SP-9 (2.0)	96	96
880-65927-41 MS	SP-9 (2.0)	110	99
880-65927-41 MSD	SP-9 (2.0)	79	101
880-65927-42	SP-9 (3.0')	90	97
880-65927-43	SP-9 (4.0')	95	84

Surrogate Summary

Client: Carmona Resources Job ID: 880-65927-1
Project/Site: Young JV-P #001 Heater Treater SDG: 2822

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-65927-44	SP-9 (5.0')	94	92
880-65927-45	SP-3 (3.0')	93	95
LCS 880-126160/1-A	Lab Control Sample	86	84
LCS 880-126161/1-A	Lab Control Sample	119	67 S1-
LCS 880-126164/1-A	Lab Control Sample	106	95
LCSD 880-126160/2-A	Lab Control Sample Dup	94	90
LCSD 880-126161/2-A	Lab Control Sample Dup	146 S1+	84
LCSD 880-126164/2-A	Lab Control Sample Dup	97	95
MB 880-126109/5-A	Method Blank	129	78
MB 880-126160/5-A	Method Blank	190 S1+	107
MB 880-126161/5-A	Method Blank	201 S1+	109
MB 880-126164/5-A	Method Blank	99	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)
880-65927-1	SP-1 (0-1.0')	127	130
880-65927-2	SP-1 (2.0')	124	127
880-65927-3	SP-1 (3.0')	114	119
880-65927-4	SP-1 (4.0')	70	73
880-65927-4 MS	SP-1 (4.0')	68 S1-	74
880-65927-4 MSD	SP-1 (4.0')	82	72
880-65927-5	SP-1 (5.0')	72	74
880-65927-6	SP-2 (0-1.0')	72	74
880-65927-7	SP-2 (2.0')	73	76
880-65927-8	SP-2 (3.0')	74	75
880-65927-9	SP-2 (4.0')	81	79
880-65927-10	SP-2 (5.0')	61 S1-	59 S1-
880-65927-11	SP-3 (0-1.0')	74	75
880-65927-12	SP-3 (2.0')	76	76
880-65927-13	SP-3 (4.0')	79	78
880-65927-14	SP-3 (5.0')	77	77
880-65927-15	SP-4 (0-1.0')	75	75
880-65927-16	SP-4 (2.0')	74	75
880-65927-17	SP-4 (3.0')	70	71
880-65927-18	SP-4 (4.0')	78	77
880-65927-19	SP-4 (5.0')	72	72
880-65927-20	SP-5 (0-1.0')	80	80
880-65927-21	SP-5 (2.0')	77	78
880-65927-22	SP-5 (3.0')	73	72
880-65927-23	SP-5 (4.0')	76	75
880-65927-24	SP-5 (5.0')	107	111
880-65927-24 MS	SP-5 (5.0')	104	95
880-65927-24 MSD	SP-5 (5.0')	104	95

Surrogate Summary

Client: Carmona Resources Job ID: 880-65927-1
Project/Site: Young JV-P #001 Heater Treater SDG: 2822

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)										
880-65927-25	SP-6 (0-1.0')	99	103										
880-65927-26	SP-6 (2.0')	101	105										
880-65927-27	SP-6 (3.0')	83	86										
880-65927-28	SP-6 (4.0')	100	103										
880-65927-29	SP-6 (5.0')	95	96										
880-65927-30	SP-7 (0-1.0')	96	100										
880-65927-31	SP-7 (2.0')	101	107										
880-65927-32	SP-7 (3.0')	96	99										
880-65927-33	SP-7 (4.0')	98	101										
880-65927-34	SP-7 (5.0')	97	98										
880-65927-35	SP-8 (0-1.0')	99	105										
880-65927-36	SP-8 (2.0')	94	100										
880-65927-37	SP-8 (3.0')	95	96										
880-65927-38	SP-8 (4.0')	100	103										
880-65927-39	SP-8 (5.0')	91	97										
880-65927-40	SP-9 (0-1.0')	92	92										
880-65927-41	SP-9 (2.0)	98	100										
880-65927-42	SP-9 (3.0')	96	101										
880-65927-43	SP-9 (4.0')	95	99										
880-65927-44	SP-9 (5.0')	102	122										
880-65927-44 MS	SP-9 (5.0')	106	128										
880-65927-44 MSD	SP-9 (5.0')	102	126										
880-65927-45	SP-3 (3.0')	102	121										
880-65928-A-2-B MS	Matrix Spike	138 S1+	124										
880-65928-A-2-C MSD	Matrix Spike Duplicate	136 S1+	122										
LCS 880-126138/2-A	Lab Control Sample	135 S1+	130										
LCS 880-126196/2-A	Lab Control Sample	108	92										
LCS 880-126198/2-A	Lab Control Sample	182 S1+	165 S1+										
LCS 880-126203/2-A	Lab Control Sample	112	131 S1+										
LCSD 880-126138/3-A	Lab Control Sample Dup	138 S1+	133 S1+										
LCSD 880-126196/3-A	Lab Control Sample Dup	89	79										
LCSD 880-126198/3-A	Lab Control Sample Dup	187 S1+	172 S1+										
LCSD 880-126203/3-A	Lab Control Sample Dup	116	141 S1+										
MB 880-126138/1-A	Method Blank	119	125										
MB 880-126196/1-A	Method Blank	84	83										
MB 880-126198/1-A	Method Blank	196 S1+	203 S1+										
MB 880-126203/1-A	Method Blank	118	131 S1+										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126109/5-A
Matrix: Solid
Analysis Batch: 126319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126109

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:07	12/11/25 13:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:07	12/11/25 13:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:07	12/11/25 13:11	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/09/25 13:07	12/11/25 13:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:07	12/11/25 13:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 13:07	12/11/25 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*12/09/25 13:07*	*12/11/25 13:11*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*12/09/25 13:07*	*12/11/25 13:11*	*1*

Lab Sample ID: MB 880-126160/5-A
Matrix: Solid
Analysis Batch: 126319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 00:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 00:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 00:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/10/25 08:45	12/12/25 00:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:45	12/12/25 00:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/10/25 08:45	12/12/25 00:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*190*	*S1+*	*70 - 130*	*12/10/25 08:45*	*12/12/25 00:49*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/10/25 08:45*	*12/12/25 00:49*	*1*

Lab Sample ID: LCS 880-126160/1-A
Matrix: Solid
Analysis Batch: 126319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126160

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08626		mg/Kg		86	70 - 130		
Toluene			0.100	0.08906		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.09355		mg/Kg		94	70 - 130		
m,p-Xylenes			0.200	0.1581		mg/Kg		79	70 - 130		
o-Xylene			0.100	0.07545		mg/Kg		75	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: LCSD 880-126160/2-A
Matrix: Solid
Analysis Batch: 126319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126160

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08862		mg/Kg		89	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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

Lab Sample ID: LCSD 880-126160/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126319 — **Prep Batch: 126160**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09669		mg/Kg		97	70 - 130	8	35
Ethylbenzene			0.100	0.1004		mg/Kg		100	70 - 130	7	35
m,p-Xylenes			0.200	0.1642		mg/Kg		82	70 - 130	4	35
o-Xylene			0.100	0.07942		mg/Kg		79	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-65927-1 MS — **Client Sample ID: SP-1 (0-1.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126319 — **Prep Batch: 126160**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08525		mg/Kg		85	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.08822		mg/Kg		88	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09108		mg/Kg		91	70 - 130
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.1505		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U F1 F2	0.100	0.07424		mg/Kg		74	70 - 130

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

Lab Sample ID: 880-65927-1 MSD — **Client Sample ID: SP-1 (0-1.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126319 — **Prep Batch: 126160**

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	0.1055		mg/Kg		105	70 - 130	21	35
Toluene	<0.00200	U F1 F2	0.100	0.03854	F1 F2	mg/Kg		39	70 - 130	78	35
Ethylbenzene	<0.00200	U	0.100	0.07221		mg/Kg		72	70 - 130	23	35
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.2706	F1 F2	mg/Kg		135	70 - 130	57	35
o-Xylene	<0.00200	U F1 F2	0.100	0.1545	F1 F2	mg/Kg		155	70 - 130	70	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*210*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*128*		*70 - 130*

Lab Sample ID: MB 880-126161/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126591 — **Prep Batch: 126161**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 14:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 14:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 14:34	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/10/25 08:50	12/13/25 14:34	1

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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

Lab Sample ID: MB 880-126161/5-A
Matrix: Solid
Analysis Batch: 126591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:50	12/13/25 14:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/10/25 08:50	12/13/25 14:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*201*	*S1+*	*70 - 130*	*12/10/25 08:50*	*12/13/25 14:34*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/10/25 08:50*	*12/13/25 14:34*	*1*

Lab Sample ID: LCS 880-126161/1-A
Matrix: Solid
Analysis Batch: 126591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126161

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07643		mg/Kg		76	70 - 130		
Toluene			0.100	0.07817		mg/Kg		78	70 - 130		
Ethylbenzene			0.100	0.07871		mg/Kg		79	70 - 130		
m,p-Xylenes			0.200	0.1591		mg/Kg		80	70 - 130		
o-Xylene			0.100	0.08188		mg/Kg		82	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-126161/2-A
Matrix: Solid
Analysis Batch: 126591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126161

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	27	35
Toluene			0.100	0.1030		mg/Kg		103	70 - 130	27	35
Ethylbenzene			0.100	0.1035		mg/Kg		103	70 - 130	27	35
m,p-Xylenes			0.200	0.2104		mg/Kg		105	70 - 130	28	35
o-Xylene			0.100	0.1079		mg/Kg		108	70 - 130	27	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 880-65927-21 MS
Matrix: Solid
Analysis Batch: 126591

Client Sample ID: SP-5 (2.0')
Prep Type: Total/NA
Prep Batch: 126161

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1 F2	0.100	0.09438		mg/Kg		94	70 - 130		
Toluene	<0.00200	U F1 F2	0.100	0.09460		mg/Kg		95	70 - 130		
Ethylbenzene	<0.00200	U F1 F2	0.100	0.09146		mg/Kg		91	70 - 130		
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.1883		mg/Kg		94	70 - 130		
o-Xylene	<0.00200	U F1 F2	0.100	0.09539		mg/Kg		95	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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

Lab Sample ID: 880-65927-21 MS
Matrix: Solid
Analysis Batch: 126591

Client Sample ID: SP-5 (2.0')
Prep Type: Total/NA
Prep Batch: 126161

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-65927-21 MSD
Matrix: Solid
Analysis Batch: 126591

Client Sample ID: SP-5 (2.0')
Prep Type: Total/NA
Prep Batch: 126161

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.04460	F1 F2	mg/Kg		45	70 - 130	72	35
Toluene	<0.00200	U F1 F2	0.100	0.05416	F1 F2	mg/Kg		54	70 - 130	54	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.04768	F1 F2	mg/Kg		48	70 - 130	63	35
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.09632	F1 F2	mg/Kg		48	70 - 130	65	35
o-Xylene	<0.00200	U F1 F2	0.100	0.06249	F1 F2	mg/Kg		62	70 - 130	42	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: MB 880-126164/5-A
Matrix: Solid
Analysis Batch: 126475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:52	12/12/25 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:52	12/12/25 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:52	12/12/25 13:04	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/10/25 08:52	12/12/25 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/10/25 08:52	12/12/25 13:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/10/25 08:52	12/12/25 13:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	12/10/25 08:52	12/12/25 13:04	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/10/25 08:52	12/12/25 13:04	1

Lab Sample ID: LCS 880-126164/1-A
Matrix: Solid
Analysis Batch: 126475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09982		mg/Kg		100	70 - 130
Toluene	0.100	0.09912		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1054		mg/Kg		105	70 - 130
m,p-Xylenes	0.200	0.2112		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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

Lab Sample ID: LCS 880-126164/1-A
Matrix: Solid
Analysis Batch: 126475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126164

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-126164/2-A
Matrix: Solid
Analysis Batch: 126475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126164

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09981		mg/Kg		100	70 - 130	0	35
Toluene			0.100	0.1028		mg/Kg		103	70 - 130	4	35
Ethylbenzene			0.100	0.1097		mg/Kg		110	70 - 130	4	35
m,p-Xylenes			0.200	0.2159		mg/Kg		108	70 - 130	2	35
o-Xylene			0.100	0.1031		mg/Kg		103	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-65927-41 MS
Matrix: Solid
Analysis Batch: 126475

Client Sample ID: SP-9 (2.0)
Prep Type: Total/NA
Prep Batch: 126164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F2 F1	0.100	0.1192		mg/Kg		119	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.1120		mg/Kg		112	70 - 130		
Ethylbenzene	<0.00200	U F2 F1	0.100	0.1080		mg/Kg		108	70 - 130		
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.2157		mg/Kg		108	70 - 130		
o-Xylene	<0.00200	U F2 F1	0.100	0.1058		mg/Kg		106	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-65927-41 MSD
Matrix: Solid
Analysis Batch: 126475

Client Sample ID: SP-9 (2.0)
Prep Type: Total/NA
Prep Batch: 126164

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	0.08575		mg/Kg		86	70 - 130	33	35
Toluene	<0.00200	U F2 F1	0.100	0.08978		mg/Kg		90	70 - 130	22	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.08445		mg/Kg		84	70 - 130	24	35
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.1589		mg/Kg		79	70 - 130	30	35
o-Xylene	<0.00200	U F2 F1	0.100	0.07339	F2	mg/Kg		73	70 - 130	36	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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

Lab Sample ID: MB 880-126138/1-A
Matrix: Solid
Analysis Batch: 126455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126138

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		12/09/25 15:40	12/12/25 22:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/09/25 15:40	12/12/25 22:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/09/25 15:40	12/12/25 22:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*12/09/25 15:40*	*12/12/25 22:08*	*1*
o-Terphenyl (Surr)	*125*		*70 - 130*	*12/09/25 15:40*	*12/12/25 22:08*	*1*

Lab Sample ID: LCS 880-126138/2-A
Matrix: Solid
Analysis Batch: 126455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	925.8		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*135*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*130*		*70 - 130*

Lab Sample ID: LCSD 880-126138/3-A
Matrix: Solid
Analysis Batch: 126455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126138

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	943.5		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1157		mg/Kg		116	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*138*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*133*	*S1+*	*70 - 130*

Lab Sample ID: 880-65928-A-2-B MS
Matrix: Solid
Analysis Batch: 126455

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 126138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	820.0		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1043		mg/Kg		105	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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

Lab Sample ID: 880-65928-A-2-B MS
Matrix: Solid
Analysis Batch: 126455

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 126138

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	138	S1+	70 - 130
o-Terphenyl (Surr)	124		70 - 130

Lab Sample ID: 880-65928-A-2-C MSD
Matrix: Solid
Analysis Batch: 126455

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 126138

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	793.6		mg/Kg		80	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1013		mg/Kg		102	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	136	S1+	70 - 130
o-Terphenyl (Surr)	122		70 - 130

Lab Sample ID: MB 880-126196/1-A
Matrix: Solid
Analysis Batch: 126464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126196

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		12/10/25 11:46	12/12/25 22:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/12/25 22:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:46	12/12/25 22:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	12/10/25 11:46	12/12/25 22:51	1
o-Terphenyl (Surr)	83		70 - 130	12/10/25 11:46	12/12/25 22:51	1

Lab Sample ID: LCS 880-126196/2-A
Matrix: Solid
Analysis Batch: 126464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126196

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	933.9		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	92		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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

Lab Sample ID: LCSD 880-126196/3-A
Matrix: Solid
Analysis Batch: 126464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126196

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	849.0		mg/Kg		85	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	780.8		mg/Kg		78	70 - 130	18	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*89*		*70 - 130*
o-Terphenyl (Surr)	*79*		*70 - 130*

Lab Sample ID: 880-65927-4 MS
Matrix: Solid
Analysis Batch: 126464

Client Sample ID: SP-1 (4.0')
Prep Type: Total/NA
Prep Batch: 126196

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	1000	763.6		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	738.1		mg/Kg		74	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*68*	*S1-*	*70 - 130*
o-Terphenyl (Surr)	*74*		*70 - 130*

Lab Sample ID: 880-65927-4 MSD
Matrix: Solid
Analysis Batch: 126464

Client Sample ID: SP-1 (4.0')
Prep Type: Total/NA
Prep Batch: 126196

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	1000	760.6		mg/Kg		74	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	675.1	F1	mg/Kg		68	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*82*		*70 - 130*
o-Terphenyl (Surr)	*72*		*70 - 130*

Lab Sample ID: MB 880-126198/1-A
Matrix: Solid
Analysis Batch: 126615

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126198

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		12/10/25 11:49	12/15/25 23:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/15/25 23:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:49	12/15/25 23:33	1

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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

Lab Sample ID: MB 880-126198/1-A
Matrix: Solid
Analysis Batch: 126615

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126198

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	196	S1+	70 - 130	12/10/25 11:49	12/15/25 23:33	1
o-Terphenyl (Surr)	203	S1+	70 - 130	12/10/25 11:49	12/15/25 23:33	1

Lab Sample ID: LCS 880-126198/2-A
Matrix: Solid
Analysis Batch: 126615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126198

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1191		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1229		mg/Kg		123	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	182	S1+	70 - 130
o-Terphenyl (Surr)	165	S1+	70 - 130

Lab Sample ID: LCSD 880-126198/3-A
Matrix: Solid
Analysis Batch: 126615

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126198

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1208		mg/Kg		121	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1264		mg/Kg		126	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	187	S1+	70 - 130
o-Terphenyl (Surr)	172	S1+	70 - 130

Lab Sample ID: 880-65927-24 MS
Matrix: Solid
Analysis Batch: 126615

Client Sample ID: SP-5 (5.0')
Prep Type: Total/NA
Prep Batch: 126198

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	1000	738.6		mg/Kg		74	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	704.3		mg/Kg		70	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	95		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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

Lab Sample ID: 880-65927-24 MSD — **Client Sample ID: SP-5 (5.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126615 — **Prep Batch: 126198**

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	1000	744.4		mg/Kg		74	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	720.0		mg/Kg		72	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-126203/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126466 — **Prep Batch: 126203**

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		12/10/25 11:55	12/12/25 22:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 11:55	12/12/25 22:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 11:55	12/12/25 22:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*12/10/25 11:55*	*12/12/25 22:51*	*1*
o-Terphenyl (Surr)	*131*	*S1+*	*70 - 130*	*12/10/25 11:55*	*12/12/25 22:51*	*1*

Lab Sample ID: LCS 880-126203/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126466 — **Prep Batch: 126203**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	964.3		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1033		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*112*		*70 - 130*
o-Terphenyl (Surr)	*131*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-126203/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126466 — **Prep Batch: 126203**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1004		mg/Kg		100	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1092		mg/Kg		109	70 - 130	6	20

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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

Lab Sample ID: LCSD 880-126203/3-A
Matrix: Solid
Analysis Batch: 126466

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126203

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	116		70 - 130
o-Terphenyl (Surr)	141	S1+	70 - 130

Lab Sample ID: 880-65927-44 MS
Matrix: Solid
Analysis Batch: 126466

Client Sample ID: SP-9 (5.0')
Prep Type: Total/NA
Prep Batch: 126203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1000	862.7		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.2	U	1000	902.8		mg/Kg		90	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	128		70 - 130

Lab Sample ID: 880-65927-44 MSD
Matrix: Solid
Analysis Batch: 126466

Client Sample ID: SP-9 (5.0')
Prep Type: Total/NA
Prep Batch: 126203

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	<50.2	U	1000	860.7		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.2	U	1000	858.1		mg/Kg		86	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	126		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126281/1-A
Matrix: Solid
Analysis Batch: 126290

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			12/11/25 11:45	1

Lab Sample ID: LCS 880-126281/2-A
Matrix: Solid
Analysis Batch: 126290

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.8		mg/Kg		105	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-126281/3-A
Matrix: Solid
Analysis Batch: 126290

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	248.3		mg/Kg		99	90 - 110	6	20

Lab Sample ID: 880-65927-1 MS
Matrix: Solid
Analysis Batch: 126290

Client Sample ID: SP-1 (0-1.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1050		249	1325	4	mg/Kg		109	90 - 110

Lab Sample ID: 880-65927-1 MSD
Matrix: Solid
Analysis Batch: 126290

Client Sample ID: SP-1 (0-1.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1050		249	1314	4	mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-65927-11 MS
Matrix: Solid
Analysis Batch: 126290

Client Sample ID: SP-3 (0-1.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.1	U	252	268.9		mg/Kg		104	90 - 110

Lab Sample ID: 880-65927-11 MSD
Matrix: Solid
Analysis Batch: 126290

Client Sample ID: SP-3 (0-1.0')
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	252	247.2		mg/Kg		95	90 - 110	8	20

Lab Sample ID: MB 880-126282/1-A
Matrix: Solid
Analysis Batch: 126291

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			12/11/25 17:34	1

Lab Sample ID: LCS 880-126282/2-A
Matrix: Solid
Analysis Batch: 126291

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			200	199.5		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-126282/3-A
Matrix: Solid
Analysis Batch: 126291

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			200	200.1		mg/Kg		100	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-65927-21 MS
Matrix: Solid
Analysis Batch: 126291

Client Sample ID: SP-5 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	331		251	593.5		mg/Kg		105	90 - 110

Lab Sample ID: 880-65927-21 MSD
Matrix: Solid
Analysis Batch: 126291

Client Sample ID: SP-5 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	331		251	593.9		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-65927-31 MS
Matrix: Solid
Analysis Batch: 126291

Client Sample ID: SP-7 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.90	U	248	255.2		mg/Kg		101	90 - 110

Lab Sample ID: 880-65927-31 MSD
Matrix: Solid
Analysis Batch: 126291

Client Sample ID: SP-7 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.90	U	248	255.4		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-126286/1-A
Matrix: Solid
Analysis Batch: 126343

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			12/11/25 18:01	1

Lab Sample ID: LCS 880-126286/2-A
Matrix: Solid
Analysis Batch: 126343

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.2		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-126286/3-A
Matrix: Solid
Analysis Batch: 126343

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	250.9		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-65927-41 MS
Matrix: Solid
Analysis Batch: 126343

Client Sample ID: SP-9 (2.0)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.94	U	249	261.3		mg/Kg		103	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-65927-41 MSD
Matrix: Solid
Analysis Batch: 126343

Client Sample ID: SP-9 (2.0)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.94	U	249	261.4		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-126289/1-A
Matrix: Solid
Analysis Batch: 126396

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			12/12/25 00:50	1

Lab Sample ID: LCS 880-126289/2-A
Matrix: Solid
Analysis Batch: 126396

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.9		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-126289/3-A
Matrix: Solid
Analysis Batch: 126396

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	234.2		mg/Kg		94	90 - 110	4	20

Lab Sample ID: 880-65927-45 MS
Matrix: Solid
Analysis Batch: 126396

Client Sample ID: SP-3 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U F1	251	230.0		mg/Kg		91	90 - 110

Lab Sample ID: 880-65927-45 MSD
Matrix: Solid
Analysis Batch: 126396

Client Sample ID: SP-3 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U F1	251	226.4	F1	mg/Kg		89	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

GC VOA

Prep Batch: 126109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126109/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 126160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-1	SP-1 (0-1.0')	Total/NA	Solid	5035	
880-65927-2	SP-1 (2.0')	Total/NA	Solid	5035	
880-65927-3	SP-1 (3.0')	Total/NA	Solid	5035	
880-65927-4	SP-1 (4.0')	Total/NA	Solid	5035	
880-65927-5	SP-1 (5.0')	Total/NA	Solid	5035	
880-65927-6	SP-2 (0-1.0')	Total/NA	Solid	5035	
880-65927-7	SP-2 (2.0')	Total/NA	Solid	5035	
880-65927-8	SP-2 (3.0')	Total/NA	Solid	5035	
880-65927-9	SP-2 (4.0')	Total/NA	Solid	5035	
880-65927-10	SP-2 (5.0')	Total/NA	Solid	5035	
880-65927-11	SP-3 (0-1.0')	Total/NA	Solid	5035	
880-65927-12	SP-3 (2.0')	Total/NA	Solid	5035	
880-65927-13	SP-3 (4.0')	Total/NA	Solid	5035	
880-65927-14	SP-3 (5.0')	Total/NA	Solid	5035	
880-65927-15	SP-4 (0-1.0')	Total/NA	Solid	5035	
880-65927-16	SP-4 (2.0')	Total/NA	Solid	5035	
880-65927-17	SP-4 (3.0')	Total/NA	Solid	5035	
880-65927-18	SP-4 (4.0')	Total/NA	Solid	5035	
880-65927-19	SP-4 (5.0')	Total/NA	Solid	5035	
880-65927-20	SP-5 (0-1.0')	Total/NA	Solid	5035	
MB 880-126160/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126160/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126160/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65927-1 MS	SP-1 (0-1.0')	Total/NA	Solid	5035	
880-65927-1 MSD	SP-1 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 126161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-21	SP-5 (2.0')	Total/NA	Solid	5035	
880-65927-22	SP-5 (3.0')	Total/NA	Solid	5035	
880-65927-23	SP-5 (4.0')	Total/NA	Solid	5035	
880-65927-24	SP-5 (5.0')	Total/NA	Solid	5035	
880-65927-25	SP-6 (0-1.0')	Total/NA	Solid	5035	
880-65927-26	SP-6 (2.0')	Total/NA	Solid	5035	
880-65927-27	SP-6 (3.0')	Total/NA	Solid	5035	
880-65927-28	SP-6 (4.0')	Total/NA	Solid	5035	
880-65927-29	SP-6 (5.0')	Total/NA	Solid	5035	
880-65927-30	SP-7 (0-1.0')	Total/NA	Solid	5035	
880-65927-31	SP-7 (2.0')	Total/NA	Solid	5035	
880-65927-32	SP-7 (3.0')	Total/NA	Solid	5035	
880-65927-33	SP-7 (4.0')	Total/NA	Solid	5035	
880-65927-34	SP-7 (5.0')	Total/NA	Solid	5035	
880-65927-35	SP-8 (0-1.0')	Total/NA	Solid	5035	
880-65927-36	SP-8 (2.0')	Total/NA	Solid	5035	
880-65927-37	SP-8 (3.0')	Total/NA	Solid	5035	
880-65927-38	SP-8 (4.0')	Total/NA	Solid	5035	
880-65927-39	SP-8 (5.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

GC VOA (Continued)

Prep Batch: 126161 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-40	SP-9 (0-1.0')	Total/NA	Solid	5035	
MB 880-126161/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126161/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126161/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65927-21 MS	SP-5 (2.0')	Total/NA	Solid	5035	
880-65927-21 MSD	SP-5 (2.0')	Total/NA	Solid	5035	

Prep Batch: 126164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-41	SP-9 (2.0)	Total/NA	Solid	5035	
880-65927-42	SP-9 (3.0')	Total/NA	Solid	5035	
880-65927-43	SP-9 (4.0')	Total/NA	Solid	5035	
880-65927-44	SP-9 (5.0')	Total/NA	Solid	5035	
880-65927-45	SP-3 (3.0')	Total/NA	Solid	5035	
MB 880-126164/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126164/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126164/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65927-41 MS	SP-9 (2.0)	Total/NA	Solid	5035	
880-65927-41 MSD	SP-9 (2.0)	Total/NA	Solid	5035	

Analysis Batch: 126319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-1	SP-1 (0-1.0')	Total/NA	Solid	8021B	126160
880-65927-2	SP-1 (2.0')	Total/NA	Solid	8021B	126160
880-65927-3	SP-1 (3.0')	Total/NA	Solid	8021B	126160
880-65927-4	SP-1 (4.0')	Total/NA	Solid	8021B	126160
880-65927-5	SP-1 (5.0')	Total/NA	Solid	8021B	126160
880-65927-6	SP-2 (0-1.0')	Total/NA	Solid	8021B	126160
880-65927-7	SP-2 (2.0')	Total/NA	Solid	8021B	126160
880-65927-8	SP-2 (3.0')	Total/NA	Solid	8021B	126160
880-65927-9	SP-2 (4.0')	Total/NA	Solid	8021B	126160
880-65927-10	SP-2 (5.0')	Total/NA	Solid	8021B	126160
880-65927-11	SP-3 (0-1.0')	Total/NA	Solid	8021B	126160
880-65927-12	SP-3 (2.0')	Total/NA	Solid	8021B	126160
880-65927-13	SP-3 (4.0')	Total/NA	Solid	8021B	126160
880-65927-14	SP-3 (5.0')	Total/NA	Solid	8021B	126160
880-65927-15	SP-4 (0-1.0')	Total/NA	Solid	8021B	126160
880-65927-16	SP-4 (2.0')	Total/NA	Solid	8021B	126160
880-65927-17	SP-4 (3.0')	Total/NA	Solid	8021B	126160
880-65927-18	SP-4 (4.0')	Total/NA	Solid	8021B	126160
880-65927-19	SP-4 (5.0')	Total/NA	Solid	8021B	126160
880-65927-20	SP-5 (0-1.0')	Total/NA	Solid	8021B	126160
MB 880-126109/5-A	Method Blank	Total/NA	Solid	8021B	126109
MB 880-126160/5-A	Method Blank	Total/NA	Solid	8021B	126160
LCS 880-126160/1-A	Lab Control Sample	Total/NA	Solid	8021B	126160
LCSD 880-126160/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126160
880-65927-1 MS	SP-1 (0-1.0')	Total/NA	Solid	8021B	126160
880-65927-1 MSD	SP-1 (0-1.0')	Total/NA	Solid	8021B	126160

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

GC VOA

Analysis Batch: 126475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-41	SP-9 (2.0)	Total/NA	Solid	8021B	126164
880-65927-42	SP-9 (3.0')	Total/NA	Solid	8021B	126164
880-65927-43	SP-9 (4.0')	Total/NA	Solid	8021B	126164
880-65927-44	SP-9 (5.0')	Total/NA	Solid	8021B	126164
880-65927-45	SP-3 (3.0')	Total/NA	Solid	8021B	126164
MB 880-126164/5-A	Method Blank	Total/NA	Solid	8021B	126164
LCS 880-126164/1-A	Lab Control Sample	Total/NA	Solid	8021B	126164
LCSD 880-126164/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126164
880-65927-41 MS	SP-9 (2.0)	Total/NA	Solid	8021B	126164
880-65927-41 MSD	SP-9 (2.0)	Total/NA	Solid	8021B	126164

Analysis Batch: 126591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-21	SP-5 (2.0')	Total/NA	Solid	8021B	126161
880-65927-22	SP-5 (3.0')	Total/NA	Solid	8021B	126161
880-65927-23	SP-5 (4.0')	Total/NA	Solid	8021B	126161
880-65927-24	SP-5 (5.0')	Total/NA	Solid	8021B	126161
880-65927-25	SP-6 (0-1.0')	Total/NA	Solid	8021B	126161
880-65927-26	SP-6 (2.0')	Total/NA	Solid	8021B	126161
880-65927-27	SP-6 (3.0')	Total/NA	Solid	8021B	126161
880-65927-28	SP-6 (4.0')	Total/NA	Solid	8021B	126161
880-65927-29	SP-6 (5.0')	Total/NA	Solid	8021B	126161
880-65927-30	SP-7 (0-1.0')	Total/NA	Solid	8021B	126161
880-65927-31	SP-7 (2.0')	Total/NA	Solid	8021B	126161
880-65927-32	SP-7 (3.0')	Total/NA	Solid	8021B	126161
880-65927-33	SP-7 (4.0')	Total/NA	Solid	8021B	126161
880-65927-34	SP-7 (5.0')	Total/NA	Solid	8021B	126161
880-65927-35	SP-8 (0-1.0')	Total/NA	Solid	8021B	126161
880-65927-36	SP-8 (2.0')	Total/NA	Solid	8021B	126161
880-65927-37	SP-8 (3.0')	Total/NA	Solid	8021B	126161
880-65927-38	SP-8 (4.0')	Total/NA	Solid	8021B	126161
880-65927-39	SP-8 (5.0')	Total/NA	Solid	8021B	126161
880-65927-40	SP-9 (0-1.0')	Total/NA	Solid	8021B	126161
MB 880-126161/5-A	Method Blank	Total/NA	Solid	8021B	126161
LCS 880-126161/1-A	Lab Control Sample	Total/NA	Solid	8021B	126161
LCSD 880-126161/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126161
880-65927-21 MS	SP-5 (2.0')	Total/NA	Solid	8021B	126161
880-65927-21 MSD	SP-5 (2.0')	Total/NA	Solid	8021B	126161

Analysis Batch: 126723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-1	SP-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-65927-2	SP-1 (2.0')	Total/NA	Solid	Total BTEX	
880-65927-3	SP-1 (3.0')	Total/NA	Solid	Total BTEX	
880-65927-4	SP-1 (4.0')	Total/NA	Solid	Total BTEX	
880-65927-5	SP-1 (5.0')	Total/NA	Solid	Total BTEX	
880-65927-6	SP-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-65927-7	SP-2 (2.0')	Total/NA	Solid	Total BTEX	
880-65927-8	SP-2 (3.0')	Total/NA	Solid	Total BTEX	
880-65927-9	SP-2 (4.0')	Total/NA	Solid	Total BTEX	
880-65927-10	SP-2 (5.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

GC VOA (Continued)

Analysis Batch: 126723 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-11	SP-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-65927-12	SP-3 (2.0')	Total/NA	Solid	Total BTEX	
880-65927-13	SP-3 (4.0')	Total/NA	Solid	Total BTEX	
880-65927-14	SP-3 (5.0')	Total/NA	Solid	Total BTEX	
880-65927-15	SP-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-65927-16	SP-4 (2.0')	Total/NA	Solid	Total BTEX	
880-65927-17	SP-4 (3.0')	Total/NA	Solid	Total BTEX	
880-65927-18	SP-4 (4.0')	Total/NA	Solid	Total BTEX	
880-65927-19	SP-4 (5.0')	Total/NA	Solid	Total BTEX	
880-65927-20	SP-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-65927-21	SP-5 (2.0')	Total/NA	Solid	Total BTEX	
880-65927-22	SP-5 (3.0')	Total/NA	Solid	Total BTEX	
880-65927-23	SP-5 (4.0')	Total/NA	Solid	Total BTEX	
880-65927-24	SP-5 (5.0')	Total/NA	Solid	Total BTEX	
880-65927-25	SP-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-65927-26	SP-6 (2.0')	Total/NA	Solid	Total BTEX	
880-65927-27	SP-6 (3.0')	Total/NA	Solid	Total BTEX	
880-65927-28	SP-6 (4.0')	Total/NA	Solid	Total BTEX	
880-65927-29	SP-6 (5.0')	Total/NA	Solid	Total BTEX	
880-65927-30	SP-7 (0-1.0')	Total/NA	Solid	Total BTEX	
880-65927-31	SP-7 (2.0')	Total/NA	Solid	Total BTEX	
880-65927-32	SP-7 (3.0')	Total/NA	Solid	Total BTEX	
880-65927-33	SP-7 (4.0')	Total/NA	Solid	Total BTEX	
880-65927-34	SP-7 (5.0')	Total/NA	Solid	Total BTEX	
880-65927-35	SP-8 (0-1.0')	Total/NA	Solid	Total BTEX	
880-65927-36	SP-8 (2.0')	Total/NA	Solid	Total BTEX	
880-65927-37	SP-8 (3.0')	Total/NA	Solid	Total BTEX	
880-65927-38	SP-8 (4.0')	Total/NA	Solid	Total BTEX	
880-65927-39	SP-8 (5.0')	Total/NA	Solid	Total BTEX	
880-65927-40	SP-9 (0-1.0')	Total/NA	Solid	Total BTEX	
880-65927-41	SP-9 (2.0)	Total/NA	Solid	Total BTEX	
880-65927-42	SP-9 (3.0')	Total/NA	Solid	Total BTEX	
880-65927-43	SP-9 (4.0')	Total/NA	Solid	Total BTEX	
880-65927-44	SP-9 (5.0')	Total/NA	Solid	Total BTEX	
880-65927-45	SP-3 (3.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 126138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-1	SP-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-65927-2	SP-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-65927-3	SP-1 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-126138/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126138/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126138/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-65928-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-65928-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

GC Semi VOA

Prep Batch: 126196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-4	SP-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-65927-5	SP-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-6	SP-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-65927-7	SP-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-65927-8	SP-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-65927-9	SP-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-65927-10	SP-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-11	SP-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-65927-12	SP-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-65927-13	SP-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-65927-14	SP-3 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-15	SP-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-65927-16	SP-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-65927-17	SP-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-65927-18	SP-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-65927-19	SP-4 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-20	SP-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-65927-21	SP-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-65927-22	SP-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-65927-23	SP-5 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-126196/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126196/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126196/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-65927-4 MS	SP-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-65927-4 MSD	SP-1 (4.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 126198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-24	SP-5 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-25	SP-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-65927-26	SP-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-65927-27	SP-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-65927-28	SP-6 (4.0')	Total/NA	Solid	8015NM Prep	
880-65927-29	SP-6 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-30	SP-7 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-65927-31	SP-7 (2.0')	Total/NA	Solid	8015NM Prep	
880-65927-32	SP-7 (3.0')	Total/NA	Solid	8015NM Prep	
880-65927-33	SP-7 (4.0')	Total/NA	Solid	8015NM Prep	
880-65927-34	SP-7 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-35	SP-8 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-65927-36	SP-8 (2.0')	Total/NA	Solid	8015NM Prep	
880-65927-37	SP-8 (3.0')	Total/NA	Solid	8015NM Prep	
880-65927-38	SP-8 (4.0')	Total/NA	Solid	8015NM Prep	
880-65927-39	SP-8 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-40	SP-9 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-65927-41	SP-9 (2.0)	Total/NA	Solid	8015NM Prep	
880-65927-42	SP-9 (3.0')	Total/NA	Solid	8015NM Prep	
880-65927-43	SP-9 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-126198/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126198/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126198/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

GC Semi VOA (Continued)

Prep Batch: 126198 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-24 MS	SP-5 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-24 MSD	SP-5 (5.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 126203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-44	SP-9 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-45	SP-3 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-126203/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126203/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126203/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-65927-44 MS	SP-9 (5.0')	Total/NA	Solid	8015NM Prep	
880-65927-44 MSD	SP-9 (5.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-1	SP-1 (0-1.0')	Total/NA	Solid	8015B NM	126138
880-65927-2	SP-1 (2.0')	Total/NA	Solid	8015B NM	126138
880-65927-3	SP-1 (3.0')	Total/NA	Solid	8015B NM	126138
MB 880-126138/1-A	Method Blank	Total/NA	Solid	8015B NM	126138
LCS 880-126138/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126138
LCSD 880-126138/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126138
880-65928-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	126138
880-65928-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	126138

Analysis Batch: 126464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-4	SP-1 (4.0')	Total/NA	Solid	8015B NM	126196
880-65927-5	SP-1 (5.0')	Total/NA	Solid	8015B NM	126196
880-65927-6	SP-2 (0-1.0')	Total/NA	Solid	8015B NM	126196
880-65927-7	SP-2 (2.0')	Total/NA	Solid	8015B NM	126196
880-65927-8	SP-2 (3.0')	Total/NA	Solid	8015B NM	126196
880-65927-9	SP-2 (4.0')	Total/NA	Solid	8015B NM	126196
880-65927-10	SP-2 (5.0')	Total/NA	Solid	8015B NM	126196
880-65927-11	SP-3 (0-1.0')	Total/NA	Solid	8015B NM	126196
880-65927-12	SP-3 (2.0')	Total/NA	Solid	8015B NM	126196
880-65927-13	SP-3 (4.0')	Total/NA	Solid	8015B NM	126196
880-65927-14	SP-3 (5.0')	Total/NA	Solid	8015B NM	126196
880-65927-15	SP-4 (0-1.0')	Total/NA	Solid	8015B NM	126196
880-65927-16	SP-4 (2.0')	Total/NA	Solid	8015B NM	126196
880-65927-17	SP-4 (3.0')	Total/NA	Solid	8015B NM	126196
880-65927-18	SP-4 (4.0')	Total/NA	Solid	8015B NM	126196
880-65927-19	SP-4 (5.0')	Total/NA	Solid	8015B NM	126196
880-65927-20	SP-5 (0-1.0')	Total/NA	Solid	8015B NM	126196
880-65927-21	SP-5 (2.0')	Total/NA	Solid	8015B NM	126196
880-65927-22	SP-5 (3.0')	Total/NA	Solid	8015B NM	126196
880-65927-23	SP-5 (4.0')	Total/NA	Solid	8015B NM	126196
MB 880-126196/1-A	Method Blank	Total/NA	Solid	8015B NM	126196
LCS 880-126196/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126196
LCSD 880-126196/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126196
880-65927-4 MS	SP-1 (4.0')	Total/NA	Solid	8015B NM	126196
880-65927-4 MSD	SP-1 (4.0')	Total/NA	Solid	8015B NM	126196

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

GC Semi VOA

Analysis Batch: 126466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-44	SP-9 (5.0')	Total/NA	Solid	8015B NM	126203
880-65927-45	SP-3 (3.0')	Total/NA	Solid	8015B NM	126203
MB 880-126203/1-A	Method Blank	Total/NA	Solid	8015B NM	126203
LCS 880-126203/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126203
LCSD 880-126203/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126203
880-65927-44 MS	SP-9 (5.0')	Total/NA	Solid	8015B NM	126203
880-65927-44 MSD	SP-9 (5.0')	Total/NA	Solid	8015B NM	126203

Analysis Batch: 126615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-24	SP-5 (5.0')	Total/NA	Solid	8015B NM	126198
880-65927-25	SP-6 (0-1.0')	Total/NA	Solid	8015B NM	126198
880-65927-26	SP-6 (2.0')	Total/NA	Solid	8015B NM	126198
880-65927-27	SP-6 (3.0')	Total/NA	Solid	8015B NM	126198
880-65927-28	SP-6 (4.0')	Total/NA	Solid	8015B NM	126198
880-65927-29	SP-6 (5.0')	Total/NA	Solid	8015B NM	126198
880-65927-30	SP-7 (0-1.0')	Total/NA	Solid	8015B NM	126198
880-65927-31	SP-7 (2.0')	Total/NA	Solid	8015B NM	126198
880-65927-32	SP-7 (3.0')	Total/NA	Solid	8015B NM	126198
880-65927-33	SP-7 (4.0')	Total/NA	Solid	8015B NM	126198
880-65927-34	SP-7 (5.0')	Total/NA	Solid	8015B NM	126198
880-65927-35	SP-8 (0-1.0')	Total/NA	Solid	8015B NM	126198
880-65927-36	SP-8 (2.0')	Total/NA	Solid	8015B NM	126198
880-65927-37	SP-8 (3.0')	Total/NA	Solid	8015B NM	126198
880-65927-38	SP-8 (4.0')	Total/NA	Solid	8015B NM	126198
880-65927-39	SP-8 (5.0')	Total/NA	Solid	8015B NM	126198
880-65927-40	SP-9 (0-1.0')	Total/NA	Solid	8015B NM	126198
880-65927-41	SP-9 (2.0)	Total/NA	Solid	8015B NM	126198
880-65927-42	SP-9 (3.0')	Total/NA	Solid	8015B NM	126198
880-65927-43	SP-9 (4.0')	Total/NA	Solid	8015B NM	126198
MB 880-126198/1-A	Method Blank	Total/NA	Solid	8015B NM	126198
LCS 880-126198/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126198
LCSD 880-126198/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126198
880-65927-24 MS	SP-5 (5.0')	Total/NA	Solid	8015B NM	126198
880-65927-24 MSD	SP-5 (5.0')	Total/NA	Solid	8015B NM	126198

Analysis Batch: 126681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-1	SP-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-65927-2	SP-1 (2.0')	Total/NA	Solid	8015 NM	
880-65927-3	SP-1 (3.0')	Total/NA	Solid	8015 NM	
880-65927-4	SP-1 (4.0')	Total/NA	Solid	8015 NM	
880-65927-5	SP-1 (5.0')	Total/NA	Solid	8015 NM	
880-65927-6	SP-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-65927-7	SP-2 (2.0')	Total/NA	Solid	8015 NM	
880-65927-8	SP-2 (3.0')	Total/NA	Solid	8015 NM	
880-65927-9	SP-2 (4.0')	Total/NA	Solid	8015 NM	
880-65927-10	SP-2 (5.0')	Total/NA	Solid	8015 NM	
880-65927-11	SP-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-65927-12	SP-3 (2.0')	Total/NA	Solid	8015 NM	
880-65927-13	SP-3 (4.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

GC Semi VOA (Continued)

Analysis Batch: 126681 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-14	SP-3 (5.0')	Total/NA	Solid	8015 NM	
880-65927-15	SP-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-65927-16	SP-4 (2.0')	Total/NA	Solid	8015 NM	
880-65927-17	SP-4 (3.0')	Total/NA	Solid	8015 NM	
880-65927-18	SP-4 (4.0')	Total/NA	Solid	8015 NM	
880-65927-19	SP-4 (5.0')	Total/NA	Solid	8015 NM	
880-65927-20	SP-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-65927-21	SP-5 (2.0')	Total/NA	Solid	8015 NM	
880-65927-22	SP-5 (3.0')	Total/NA	Solid	8015 NM	
880-65927-23	SP-5 (4.0')	Total/NA	Solid	8015 NM	
880-65927-24	SP-5 (5.0')	Total/NA	Solid	8015 NM	
880-65927-25	SP-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-65927-26	SP-6 (2.0')	Total/NA	Solid	8015 NM	
880-65927-27	SP-6 (3.0')	Total/NA	Solid	8015 NM	
880-65927-28	SP-6 (4.0')	Total/NA	Solid	8015 NM	
880-65927-29	SP-6 (5.0')	Total/NA	Solid	8015 NM	
880-65927-30	SP-7 (0-1.0')	Total/NA	Solid	8015 NM	
880-65927-31	SP-7 (2.0')	Total/NA	Solid	8015 NM	
880-65927-32	SP-7 (3.0')	Total/NA	Solid	8015 NM	
880-65927-33	SP-7 (4.0')	Total/NA	Solid	8015 NM	
880-65927-34	SP-7 (5.0')	Total/NA	Solid	8015 NM	
880-65927-35	SP-8 (0-1.0')	Total/NA	Solid	8015 NM	
880-65927-36	SP-8 (2.0')	Total/NA	Solid	8015 NM	
880-65927-37	SP-8 (3.0')	Total/NA	Solid	8015 NM	
880-65927-38	SP-8 (4.0')	Total/NA	Solid	8015 NM	
880-65927-39	SP-8 (5.0')	Total/NA	Solid	8015 NM	
880-65927-40	SP-9 (0-1.0')	Total/NA	Solid	8015 NM	
880-65927-41	SP-9 (2.0)	Total/NA	Solid	8015 NM	
880-65927-42	SP-9 (3.0')	Total/NA	Solid	8015 NM	
880-65927-43	SP-9 (4.0')	Total/NA	Solid	8015 NM	
880-65927-44	SP-9 (5.0')	Total/NA	Solid	8015 NM	
880-65927-45	SP-3 (3.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 126281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-1	SP-1 (0-1.0')	Soluble	Solid	DI Leach	
880-65927-2	SP-1 (2.0')	Soluble	Solid	DI Leach	
880-65927-3	SP-1 (3.0')	Soluble	Solid	DI Leach	
880-65927-4	SP-1 (4.0')	Soluble	Solid	DI Leach	
880-65927-5	SP-1 (5.0')	Soluble	Solid	DI Leach	
880-65927-6	SP-2 (0-1.0')	Soluble	Solid	DI Leach	
880-65927-7	SP-2 (2.0')	Soluble	Solid	DI Leach	
880-65927-8	SP-2 (3.0')	Soluble	Solid	DI Leach	
880-65927-9	SP-2 (4.0')	Soluble	Solid	DI Leach	
880-65927-10	SP-2 (5.0')	Soluble	Solid	DI Leach	
880-65927-11	SP-3 (0-1.0')	Soluble	Solid	DI Leach	
880-65927-12	SP-3 (2.0')	Soluble	Solid	DI Leach	
880-65927-13	SP-3 (4.0')	Soluble	Solid	DI Leach	
880-65927-14	SP-3 (5.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

HPLC/IC (Continued)

Leach Batch: 126281 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-15	SP-4 (0-1.0')	Soluble	Solid	DI Leach	
880-65927-16	SP-4 (2.0')	Soluble	Solid	DI Leach	
880-65927-17	SP-4 (3.0')	Soluble	Solid	DI Leach	
880-65927-18	SP-4 (4.0')	Soluble	Solid	DI Leach	
880-65927-19	SP-4 (5.0')	Soluble	Solid	DI Leach	
880-65927-20	SP-5 (0-1.0')	Soluble	Solid	DI Leach	
MB 880-126281/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126281/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126281/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65927-1 MS	SP-1 (0-1.0')	Soluble	Solid	DI Leach	
880-65927-1 MSD	SP-1 (0-1.0')	Soluble	Solid	DI Leach	
880-65927-11 MS	SP-3 (0-1.0')	Soluble	Solid	DI Leach	
880-65927-11 MSD	SP-3 (0-1.0')	Soluble	Solid	DI Leach	

Leach Batch: 126282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-21	SP-5 (2.0')	Soluble	Solid	DI Leach	
880-65927-22	SP-5 (3.0')	Soluble	Solid	DI Leach	
880-65927-23	SP-5 (4.0')	Soluble	Solid	DI Leach	
880-65927-24	SP-5 (5.0')	Soluble	Solid	DI Leach	
880-65927-25	SP-6 (0-1.0')	Soluble	Solid	DI Leach	
880-65927-26	SP-6 (2.0')	Soluble	Solid	DI Leach	
880-65927-27	SP-6 (3.0')	Soluble	Solid	DI Leach	
880-65927-28	SP-6 (4.0')	Soluble	Solid	DI Leach	
880-65927-29	SP-6 (5.0')	Soluble	Solid	DI Leach	
880-65927-30	SP-7 (0-1.0')	Soluble	Solid	DI Leach	
880-65927-31	SP-7 (2.0')	Soluble	Solid	DI Leach	
880-65927-32	SP-7 (3.0')	Soluble	Solid	DI Leach	
880-65927-33	SP-7 (4.0')	Soluble	Solid	DI Leach	
880-65927-34	SP-7 (5.0')	Soluble	Solid	DI Leach	
880-65927-35	SP-8 (0-1.0')	Soluble	Solid	DI Leach	
880-65927-36	SP-8 (2.0')	Soluble	Solid	DI Leach	
880-65927-37	SP-8 (3.0')	Soluble	Solid	DI Leach	
880-65927-38	SP-8 (4.0')	Soluble	Solid	DI Leach	
880-65927-39	SP-8 (5.0')	Soluble	Solid	DI Leach	
880-65927-40	SP-9 (0-1.0')	Soluble	Solid	DI Leach	
MB 880-126282/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126282/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126282/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65927-21 MS	SP-5 (2.0')	Soluble	Solid	DI Leach	
880-65927-21 MSD	SP-5 (2.0')	Soluble	Solid	DI Leach	
880-65927-31 MS	SP-7 (2.0')	Soluble	Solid	DI Leach	
880-65927-31 MSD	SP-7 (2.0')	Soluble	Solid	DI Leach	

Leach Batch: 126286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-41	SP-9 (2.0)	Soluble	Solid	DI Leach	
880-65927-42	SP-9 (3.0')	Soluble	Solid	DI Leach	
880-65927-43	SP-9 (4.0')	Soluble	Solid	DI Leach	
880-65927-44	SP-9 (5.0')	Soluble	Solid	DI Leach	
MB 880-126286/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

HPLC/IC (Continued)

Leach Batch: 126286 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-126286/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126286/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65927-41 MS	SP-9 (2.0)	Soluble	Solid	DI Leach	
880-65927-41 MSD	SP-9 (2.0)	Soluble	Solid	DI Leach	

Leach Batch: 126289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-45	SP-3 (3.0')	Soluble	Solid	DI Leach	
MB 880-126289/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126289/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126289/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65927-45 MS	SP-3 (3.0')	Soluble	Solid	DI Leach	
880-65927-45 MSD	SP-3 (3.0')	Soluble	Solid	DI Leach	

Analysis Batch: 126290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-1	SP-1 (0-1.0')	Soluble	Solid	300.0	126281
880-65927-2	SP-1 (2.0')	Soluble	Solid	300.0	126281
880-65927-3	SP-1 (3.0')	Soluble	Solid	300.0	126281
880-65927-4	SP-1 (4.0')	Soluble	Solid	300.0	126281
880-65927-5	SP-1 (5.0')	Soluble	Solid	300.0	126281
880-65927-6	SP-2 (0-1.0')	Soluble	Solid	300.0	126281
880-65927-7	SP-2 (2.0')	Soluble	Solid	300.0	126281
880-65927-8	SP-2 (3.0')	Soluble	Solid	300.0	126281
880-65927-9	SP-2 (4.0')	Soluble	Solid	300.0	126281
880-65927-10	SP-2 (5.0')	Soluble	Solid	300.0	126281
880-65927-11	SP-3 (0-1.0')	Soluble	Solid	300.0	126281
880-65927-12	SP-3 (2.0')	Soluble	Solid	300.0	126281
880-65927-13	SP-3 (4.0')	Soluble	Solid	300.0	126281
880-65927-14	SP-3 (5.0')	Soluble	Solid	300.0	126281
880-65927-15	SP-4 (0-1.0')	Soluble	Solid	300.0	126281
880-65927-16	SP-4 (2.0')	Soluble	Solid	300.0	126281
880-65927-17	SP-4 (3.0')	Soluble	Solid	300.0	126281
880-65927-18	SP-4 (4.0')	Soluble	Solid	300.0	126281
880-65927-19	SP-4 (5.0')	Soluble	Solid	300.0	126281
880-65927-20	SP-5 (0-1.0')	Soluble	Solid	300.0	126281
MB 880-126281/1-A	Method Blank	Soluble	Solid	300.0	126281
LCS 880-126281/2-A	Lab Control Sample	Soluble	Solid	300.0	126281
LCSD 880-126281/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126281
880-65927-1 MS	SP-1 (0-1.0')	Soluble	Solid	300.0	126281
880-65927-1 MSD	SP-1 (0-1.0')	Soluble	Solid	300.0	126281
880-65927-11 MS	SP-3 (0-1.0')	Soluble	Solid	300.0	126281
880-65927-11 MSD	SP-3 (0-1.0')	Soluble	Solid	300.0	126281

Analysis Batch: 126291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-21	SP-5 (2.0')	Soluble	Solid	300.0	126282
880-65927-22	SP-5 (3.0')	Soluble	Solid	300.0	126282
880-65927-23	SP-5 (4.0')	Soluble	Solid	300.0	126282
880-65927-24	SP-5 (5.0')	Soluble	Solid	300.0	126282
880-65927-25	SP-6 (0-1.0')	Soluble	Solid	300.0	126282

QC Association Summary

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

HPLC/IC (Continued)

Analysis Batch: 126291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-26	SP-6 (2.0')	Soluble	Solid	300.0	126282
880-65927-27	SP-6 (3.0')	Soluble	Solid	300.0	126282
880-65927-28	SP-6 (4.0')	Soluble	Solid	300.0	126282
880-65927-29	SP-6 (5.0')	Soluble	Solid	300.0	126282
880-65927-30	SP-7 (0-1.0')	Soluble	Solid	300.0	126282
880-65927-31	SP-7 (2.0')	Soluble	Solid	300.0	126282
880-65927-32	SP-7 (3.0')	Soluble	Solid	300.0	126282
880-65927-33	SP-7 (4.0')	Soluble	Solid	300.0	126282
880-65927-34	SP-7 (5.0')	Soluble	Solid	300.0	126282
880-65927-35	SP-8 (0-1.0')	Soluble	Solid	300.0	126282
880-65927-36	SP-8 (2.0')	Soluble	Solid	300.0	126282
880-65927-37	SP-8 (3.0')	Soluble	Solid	300.0	126282
880-65927-38	SP-8 (4.0')	Soluble	Solid	300.0	126282
880-65927-39	SP-8 (5.0')	Soluble	Solid	300.0	126282
880-65927-40	SP-9 (0-1.0')	Soluble	Solid	300.0	126282
MB 880-126282/1-A	Method Blank	Soluble	Solid	300.0	126282
LCS 880-126282/2-A	Lab Control Sample	Soluble	Solid	300.0	126282
LCSD 880-126282/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126282
880-65927-21 MS	SP-5 (2.0')	Soluble	Solid	300.0	126282
880-65927-21 MSD	SP-5 (2.0')	Soluble	Solid	300.0	126282
880-65927-31 MS	SP-7 (2.0')	Soluble	Solid	300.0	126282
880-65927-31 MSD	SP-7 (2.0')	Soluble	Solid	300.0	126282

Analysis Batch: 126343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-41	SP-9 (2.0)	Soluble	Solid	300.0	126286
880-65927-42	SP-9 (3.0')	Soluble	Solid	300.0	126286
880-65927-43	SP-9 (4.0')	Soluble	Solid	300.0	126286
880-65927-44	SP-9 (5.0')	Soluble	Solid	300.0	126286
MB 880-126286/1-A	Method Blank	Soluble	Solid	300.0	126286
LCS 880-126286/2-A	Lab Control Sample	Soluble	Solid	300.0	126286
LCSD 880-126286/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126286
880-65927-41 MS	SP-9 (2.0)	Soluble	Solid	300.0	126286
880-65927-41 MSD	SP-9 (2.0)	Soluble	Solid	300.0	126286

Analysis Batch: 126396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65927-45	SP-3 (3.0')	Soluble	Solid	300.0	126289
MB 880-126289/1-A	Method Blank	Soluble	Solid	300.0	126289
LCS 880-126289/2-A	Lab Control Sample	Soluble	Solid	300.0	126289
LCSD 880-126289/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126289
880-65927-45 MS	SP-3 (3.0')	Soluble	Solid	300.0	126289
880-65927-45 MSD	SP-3 (3.0')	Soluble	Solid	300.0	126289

Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-1 (0-1.0')

Lab Sample ID: 880-65927-1
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 01:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 01:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 03:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126138	12/09/25 15:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126455	12/13/25 03:52	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 12:02	SMC	EET MID

Client Sample ID: SP-1 (2.0')

Lab Sample ID: 880-65927-2
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 01:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 01:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 04:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126138	12/09/25 15:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126455	12/13/25 04:07	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 12:19	SMC	EET MID

Client Sample ID: SP-1 (3.0')

Lab Sample ID: 880-65927-3
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 01:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 01:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 04:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126138	12/09/25 15:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126455	12/13/25 04:22	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	126290	12/11/25 12:24	SMC	EET MID

Client Sample ID: SP-1 (4.0')

Lab Sample ID: 880-65927-4
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 02:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 02:19	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-1 (4.0')

Lab Sample ID: 880-65927-4
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			126681	12/12/25 23:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/12/25 23:52	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	126290	12/11/25 12:30	SMC	EET MID

Client Sample ID: SP-1 (5.0')

Lab Sample ID: 880-65927-5
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 02:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 02:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 00:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 00:37	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	126290	12/11/25 12:36	SMC	EET MID

Client Sample ID: SP-2 (0-1.0')

Lab Sample ID: 880-65927-6
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 03:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 03:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 00:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 00:52	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 12:53	SMC	EET MID

Client Sample ID: SP-2 (2.0')

Lab Sample ID: 880-65927-7
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 03:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 01:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 01:07	FC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-2 (2.0')

Lab Sample ID: 880-65927-7
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 12:58	SMC	EET MID

Client Sample ID: SP-2 (3.0')

Lab Sample ID: 880-65927-8
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 03:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 03:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 01:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 01:23	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 13:04	SMC	EET MID

Client Sample ID: SP-2 (4.0')

Lab Sample ID: 880-65927-9
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 04:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 04:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 01:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 01:37	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 13:09	SMC	EET MID

Client Sample ID: SP-2 (5.0')

Lab Sample ID: 880-65927-10
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 04:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 04:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 01:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 01:53	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 13:15	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-3 (0-1.0')

Lab Sample ID: 880-65927-11
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 06:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 06:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 02:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 02:08	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 13:21	SMC	EET MID

Client Sample ID: SP-3 (2.0')

Lab Sample ID: 880-65927-12
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 06:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 06:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 02:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 02:22	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 13:38	SMC	EET MID

Client Sample ID: SP-3 (4.0')

Lab Sample ID: 880-65927-13
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 06:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 06:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 02:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 02:38	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 13:43	SMC	EET MID

Client Sample ID: SP-3 (5.0')

Lab Sample ID: 880-65927-14
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 07:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 07:14	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-3 (5.0')

Lab Sample ID: 880-65927-14
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			126681	12/13/25 03:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 03:07	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 14:00	SMC	EET MID

Client Sample ID: SP-4 (0-1.0')

Lab Sample ID: 880-65927-15
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 07:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 07:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 03:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 03:23	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 14:06	SMC	EET MID

Client Sample ID: SP-4 (2.0')

Lab Sample ID: 880-65927-16
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 07:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 07:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 03:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 03:38	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 14:11	SMC	EET MID

Client Sample ID: SP-4 (3.0')

Lab Sample ID: 880-65927-17
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 08:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 08:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 03:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 03:53	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-4 (3.0')

Lab Sample ID: 880-65927-17

Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

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	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 14:17	SMC	EET MID

Client Sample ID: SP-4 (4.0')

Lab Sample ID: 880-65927-18

Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 08:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 08:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 04:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 04:08	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 14:23	SMC	EET MID

Client Sample ID: SP-4 (5.0')

Lab Sample ID: 880-65927-19

Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 08:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 08:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 04:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 04:23	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 14:28	SMC	EET MID

Client Sample ID: SP-5 (0-1.0')

Lab Sample ID: 880-65927-20

Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

Prep 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	126160	12/10/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126319	12/12/25 09:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 09:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 04:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 04:38	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126281	12/10/25 15:24	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126290	12/11/25 14:34	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-5 (2.0')

Lab Sample ID: 880-65927-21
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 14:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 14:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 04:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 04:54	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 18:17	SMC	EET MID

Client Sample ID: SP-5 (3.0')

Lab Sample ID: 880-65927-22
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 15:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 15:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 05:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 05:09	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 18:32	SMC	EET MID

Client Sample ID: SP-5 (4.0')

Lab Sample ID: 880-65927-23
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 15:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 15:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 05:23	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126196	12/10/25 11:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126464	12/13/25 05:23	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 18:37	SMC	EET MID

Client Sample ID: SP-5 (5.0')

Lab Sample ID: 880-65927-24
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 15:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 15:57	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-5 (5.0')

Lab Sample ID: 880-65927-24
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			126681	12/16/25 00:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 00:16	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 18:42	SMC	EET MID

Client Sample ID: SP-6 (0-1.0')

Lab Sample ID: 880-65927-25
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 16:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 16:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 00:58	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 00:58	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 18:47	SMC	EET MID

Client Sample ID: SP-6 (2.0')

Lab Sample ID: 880-65927-26
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 16:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 16:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 01:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 01:12	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 19:07	SMC	EET MID

Client Sample ID: SP-6 (3.0')

Lab Sample ID: 880-65927-27
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 16:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 16:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 01:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 01:26	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-6 (3.0')

Lab Sample ID: 880-65927-27
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 19:12	SMC	EET MID

Client Sample ID: SP-6 (4.0')

Lab Sample ID: 880-65927-28
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 17:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 17:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 01:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 01:40	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 19:17	SMC	EET MID

Client Sample ID: SP-6 (5.0')

Lab Sample ID: 880-65927-29
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 17:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 17:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 01:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 01:55	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 19:22	SMC	EET MID

Client Sample ID: SP-7 (0-1.0')

Lab Sample ID: 880-65927-30
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 18:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 02:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 02:08	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 19:27	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-7 (2.0')

Lab Sample ID: 880-65927-31
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 19:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 02:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 02:22	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 19:31	SMC	EET MID

Client Sample ID: SP-7 (3.0')

Lab Sample ID: 880-65927-32
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 19:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 02:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 02:37	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 19:46	SMC	EET MID

Client Sample ID: SP-7 (4.0')

Lab Sample ID: 880-65927-33
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 20:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 20:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 02:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 02:52	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 19:51	SMC	EET MID

Client Sample ID: SP-7 (5.0')

Lab Sample ID: 880-65927-34
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 20:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 20:35	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Job ID: 880-65927-1
Project/Site: Young JV-P #001 Heater Treater
SDG: 2822

Client Sample ID: SP-7 (5.0')
Lab Sample ID: 880-65927-34
Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

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			126681	12/16/25 03:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 03:20	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 20:06	SMC	EET MID

Client Sample ID: SP-8 (0-1.0')
Lab Sample ID: 880-65927-35
Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 20:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 20:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 03:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 03:34	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 20:11	SMC	EET MID

Client Sample ID: SP-8 (2.0')
Lab Sample ID: 880-65927-36
Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 21:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 21:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 03:48	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 03:48	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 20:16	SMC	EET MID

Client Sample ID: SP-8 (3.0')
Lab Sample ID: 880-65927-37
Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 21:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 21:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 04:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 04:03	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-8 (3.0')

Lab Sample ID: 880-65927-37
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 20:21	SMC	EET MID

Client Sample ID: SP-8 (4.0')

Lab Sample ID: 880-65927-38
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 21:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 21:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 04:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 04:16	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 20:26	SMC	EET MID

Client Sample ID: SP-8 (5.0')

Lab Sample ID: 880-65927-39
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 22:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 22:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 04:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 04:30	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 20:31	SMC	EET MID

Client Sample ID: SP-9 (0-1.0')

Lab Sample ID: 880-65927-40
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126161	12/10/25 08:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126591	12/13/25 22:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/13/25 22:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 04:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 04:45	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126282	12/10/25 15:26	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126291	12/11/25 20:36	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-9 (2.0)

Lab Sample ID: 880-65927-41

Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

Prep 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	126164	12/10/25 08:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126475	12/12/25 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 13:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 04:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 04:58	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126286	12/10/25 15:49	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126343	12/11/25 18:22	SMC	EET MID

Client Sample ID: SP-9 (3.0')

Lab Sample ID: 880-65927-42

Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

Prep 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	126164	12/10/25 08:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126475	12/12/25 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 13:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 05:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 05:13	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126286	12/10/25 15:49	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126343	12/11/25 18:43	SMC	EET MID

Client Sample ID: SP-9 (4.0')

Lab Sample ID: 880-65927-43

Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

Prep 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	126164	12/10/25 08:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126475	12/12/25 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 14:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/16/25 05:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126198	12/10/25 11:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126615	12/16/25 05:27	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126286	12/10/25 15:49	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126343	12/11/25 18:50	SMC	EET MID

Client Sample ID: SP-9 (5.0')

Lab Sample ID: 880-65927-44

Date Collected: 12/09/25 00:00
Matrix: Solid
Date Received: 12/09/25 14:06

Prep 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	126164	12/10/25 08:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126475	12/12/25 14:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 14:28	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Client Sample ID: SP-9 (5.0')

Lab Sample ID: 880-65927-44
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

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			126681	12/12/25 23:52	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	126203	12/10/25 11:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126466	12/12/25 23:52	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126286	12/10/25 15:49	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126343	12/11/25 18:57	SMC	EET MID

Client Sample ID: SP-3 (3.0')

Lab Sample ID: 880-65927-45
Matrix: Solid
Date Collected: 12/09/25 00:00
Date Received: 12/09/25 14:06

Prep 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	126164	12/10/25 08:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126475	12/12/25 14:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126723	12/12/25 14:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			126681	12/13/25 00:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126203	12/10/25 11:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126466	12/13/25 00:37	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126289	12/10/25 15:55	SI	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126396	12/12/25 01:07	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: 880-65927-1
Project/Site: Young JV-P #001 Heater Treater
SDG: 2822

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	06-30-26

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: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

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: Young JV-P #001 Heater Treater

Job ID: 880-65927-1
SDG: 2822

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-65927-1	SP-1 (0-1.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-2	SP-1 (2.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-3	SP-1 (3.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-4	SP-1 (4.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-5	SP-1 (5.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-6	SP-2 (0-1.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-7	SP-2 (2.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-8	SP-2 (3.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-9	SP-2 (4.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-10	SP-2 (5.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-11	SP-3 (0-1.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-12	SP-3 (2.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-13	SP-3 (4.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-14	SP-3 (5.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-15	SP-4 (0-1.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-16	SP-4 (2.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-17	SP-4 (3.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-18	SP-4 (4.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-19	SP-4 (5.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-20	SP-5 (0-1.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-21	SP-5 (2.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-22	SP-5 (3.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-23	SP-5 (4.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-24	SP-5 (5.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-25	SP-6 (0-1.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-26	SP-6 (2.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-27	SP-6 (3.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-28	SP-6 (4.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-29	SP-6 (5.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-30	SP-7 (0-1.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-31	SP-7 (2.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-32	SP-7 (3.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-33	SP-7 (4.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-34	SP-7 (5.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-35	SP-8 (0-1.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-36	SP-8 (2.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-37	SP-8 (3.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-38	SP-8 (4.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-39	SP-8 (5.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-40	SP-9 (0-1.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-41	SP-9 (2.0)	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-42	SP-9 (3.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-43	SP-9 (4.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-44	SP-9 (5.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico
880-65927-45	SP-3 (3.0')	Solid	12/09/25 00:00	12/09/25 14:06	New Mexico

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Chain of Custody

880-65927 Chain of Custody

12/16/2025

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Project Manager:	Ashton Thielke	Bill to: (if different)	Ashton Thielke
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 W Wall St Ste 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young JV-P #001 Heater Treater	Turn Around	
Project Number:	2822	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.7
Total Containers:		Corrected Temperature:	6.8

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	Hold	Sample Comments
SP-1 (0-1.0')	12/9/2025		X		G	1		X	X	X		
SP-1 (2.0')	12/9/2025		X		G	1		X	X	X		
SP-1 (3.0')	12/9/2025		X		G	1		X	X	X		
SP-1 (4.0')	12/9/2025		X		G	1		X	X	X		
SP-1 (5.0')	12/9/2025		X		G	1		X	X	X		
SP-2 (0-1.0')	12/9/2025		X		G	1		X	X	X		
SP-2 (2.0')	12/9/2025		X		G	1		X	X	X		
SP-2 (3.0')	12/9/2025		X		G	1		X	X	X		
SP-2 (4.0')	12/9/2025		X		G	1		X	X	X		

Comments:

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Chain of Custody

Work Order No: _____

12/16/2025

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Project Manager:	Ashton Thielke	Bill to: (if different)	Ashton Thielke
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 W Wall St Ste 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young JV-P #001 Heater Treater	Turn Around	
Project Number:	2822	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.7
Total Containers:		Corrected Temperature:	6.8

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	Hold	Sample Comments
SP-2 (5.0')	12/9/2025		X		G	1	X	X	X		
SP-3 (0-1.0')	12/9/2025		X		G	1	X	X	X		
SP-3 (2.0')	12/9/2025		X		G	1	X	X	X		
SP-3 (4.0')	12/9/2025		X		G	1	X	X	X		
SP-3 (5.0')	12/9/2025		X		G	1	X	X	X		
SP-4 (0-1.0')	12/9/2025		X		G	1	X	X	X		
SP-4 (2.0')	12/9/2025		X		G	1	X	X	X		
SP-4 (3.0')	12/9/2025		X		G	1	X	X	X		
SP-4 (4.0')	12/9/2025		X		G	1	X	X	X		
SP-4 (5.0')	12/9/2025		X		G	1	X	X	X		

Pres. Code / Parameters

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

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
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Chain of Custody

Work Order No: _____

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Page ___3___ of ___5___

Project Manager:	Ashton Thielke	Bill to: (if different)	Ashton Thielke
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 W Wall St Ste 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young JV-P #001 Heater Treater	Turn Around	
Project Number:	2822	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	6.7
Total Containers:		Corrected Temperature:	6.8

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	Hold	Sample Comments
SP-5 (0-1.0')	12/9/2025		X		G	1		X	X	X		
SP-5 (2.0')	12/9/2025		X		G	1		X	X	X		
SP-5 (3.0')	12/9/2025		X		G	1		X	X	X		
SP-5 (4.0')	12/9/2025		X		G	1		X	X	X		
SP-5 (5.0')	12/9/2025		X		G	1		X	X	X		
SP-6 (0-1.0')	12/9/2025		X		G	1		X	X	X		
SP-6 (2.0')	12/9/2025		X		G	1		X	X	X		
SP-6 (3.0')	12/9/2025		X		G	1		X	X	X		
SP-6 (4.0')	12/9/2025		X		G	1		X	X	X		
SP-6 (5.0')	12/9/2025		X		G	1		X	X	X		

Comments:

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Chain of Custody

Work Order No: _____

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Project Manager:	Ashton Thielke	Bill to: (if different)	Ashton Thielke
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 W Wall St Ste 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young JV-P #001 Heater Treater	Turn Around	
Project Number:	2822	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.7
Total Containers:		Corrected Temperature:	6.8

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	Hold	Sample Comments
SP-7 (0-1.0')	12/9/2025		X		G	1		X	X	X		
SP-7 (2.0')	12/9/2025		X		G	1		X	X	X		
SP-7 (3.0')	12/9/2025		X		G	1		X	X	X		
SP-7 (4.0)	12/9/2025		X		G	1		X	X	X		
SP-7 (5.0')	12/9/2025		X		G	1		X	X	X		
SP-8 (0-1.0')	12/9/2025		X		G	1		X	X	X		
SP-8 (2.0')	12/9/2025		X		G	1		X	X	X		
SP-8 (3.0')	12/9/2025		X		G	1		X	X	X		
SP-8 (4.0')	12/9/2025		X		G	1		X	X	X		
SP-8 (5.0')	12/9/2025		X		G	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			12.9.25 14:06

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Chain of Custody

Work Order No: _____

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Project Manager:	Ashton Thielke	Bill to: (if different)	Ashton Thielke
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 W Wall St Ste 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young JV-P #001 Heater Treater	Turn Around	
Project Number:	2822	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR5	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-1	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.7	
Total Containers:		Corrected Temperature:	4.8	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	Hold
SP-9 (0-1.0')	12/9/2025		X		G	1		X	X	X	
SP-9 (2.0')	12/9/2025		X		G	1		X	X	X	
SP-9 (3.0')	12/9/2025		X		G	1		X	X	X	
SP-9 (4.0)	12/9/2025		X		G	1		X	X	X	
SP-9 (5.0')	12/9/2025		X		G	1		X	X	X	
SP-3 (3.0')	12/9/2025		X		G	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

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			12-9-25 14:06

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-65927-1
SDG Number: 2822

Login Number: 65927
List Number: 1
Creator: Juarez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/10/2026 2:13:54 PM

JOB DESCRIPTION

Young, 8709 (02.20.19)
2822

JOB NUMBER

880-67944-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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Eurofins Midland

Job Notes

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

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

Authorization

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2/10/2026 2:13:54 PM

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

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Laboratory Job ID: 880-67944-1
SDG: 2822

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Definitions/Glossary

Client: Carmona Resources Job ID: 880-67944-1
Project/Site: Young, 8709 (02.20.19) SDG: 2822

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Young, 8709 (02.20.19)

Job ID: 880-67944-1

Job ID: 880-67944-1 Eurofins Midland

Job Narrative
880-67944-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/6/2026 4:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-131173 and analytical batch 880-131164 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-8 (4.5') (880-67944-8), CS-12 (4.5') (880-67944-12), CS-13 (4.5') (880-67944-13) and CS-20 (4.5') (880-67944-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-131208 and analytical batch 880-131164 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-131208 and analytical batch 880-131164 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-131210 and analytical batch 880-131163 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: CS-22 (2.5') (880-67944-22). This sample did not contain any target analytes; 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 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-131215/2-A) and (LCSD 880-131215/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-131215/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-67943-A-11-F MS) and (880-67943-A-11-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-2 (4.5') (880-67944-2), CS-3 (4.5') (880-67944-3), CS-4 (4.5') (880-67944-4), CS-5 (4.5') (880-67944-5), CS-6 (4.5') (880-67944-6), CS-7 (4.5') (880-67944-7), CS-8 (4.5') (880-67944-8), CS-9 (4.5') (880-67944-9), CS-10 (4.5') (880-67944-10), CS-11 (4.5') (880-67944-11), CS-13 (4.5')

Case Narrative

Client: Carmona Resources
Project: Young, 8709 (02.20.19)

Job ID: 880-67944-1

Job ID: 880-67944-1 (Continued) Eurofins Midland

(880-67944-13), CS-14 (4.5') (880-67944-14), CS-15 (4.5') (880-67944-15) and (880-67943-A-11-E). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS1- (4.5') (880-67944-1) and CS-12 (4.5') (880-67944-12). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-21 (2.5') (880-67944-21), CS-22 (2.5') (880-67944-22) and CS-23 (2.5') (880-67944-23). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-16 (4.5') (880-67944-16) and CS-24 (2.5') (880-67944-24). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-67944-A-16-D MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-67944-A-16-E 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.

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: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS1- (4.5')

Lab Sample ID: 880-67944-1
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/09/26 23:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/09/26 23:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/09/26 23:01	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/09/26 11:41	02/09/26 23:01	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/26 11:41	02/09/26 23:01	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/09/26 11:41	02/09/26 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/09/26 11:41*	*02/09/26 23:01*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/09/26 11:41*	*02/09/26 23:01*	*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			02/09/26 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/10/26 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/09/26 12:08	02/10/26 03:21	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/26 12:08	02/10/26 03:21	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/26 12:08	02/10/26 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*124*		*70 - 130*	*02/09/26 12:08*	*02/10/26 03:21*	*1*
o-Terphenyl (Surr)	*151*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 03:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**768**		10.0		mg/Kg			02/10/26 09:45	1

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-67944-2
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/09/26 23:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:41	02/09/26 23:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:41	02/09/26 23:22	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		02/09/26 11:41	02/09/26 23:22	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/09/26 11:41	02/09/26 23:22	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/09/26 11:41	02/09/26 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/09/26 11:41*	*02/09/26 23:22*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/09/26 11:41*	*02/09/26 23:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-67944-2
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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			02/09/26 23:22	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			02/10/26 03:35	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		02/09/26 12:08	02/10/26 03:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/09/26 12:08	02/10/26 03:35	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/09/26 12:08	02/10/26 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*140*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 03:35*	*1*
o-Terphenyl (Surr)	*158*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 03:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**733**		10.0		mg/Kg			02/10/26 10:05	1

Client Sample ID: CS-3 (4.5')

Lab Sample ID: 880-67944-3
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/09/26 23:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:41	02/09/26 23:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:41	02/09/26 23:42	1
m,p-Xylenes	<0.00404	U *+	0.00404		mg/Kg		02/09/26 11:41	02/09/26 23:42	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		02/09/26 11:41	02/09/26 23:42	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		02/09/26 11:41	02/09/26 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/09/26 11:41*	*02/09/26 23:42*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/09/26 11:41*	*02/09/26 23:42*	*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			02/09/26 23:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/10/26 03:50	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		02/09/26 12:08	02/10/26 03:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/09/26 12:08	02/10/26 03:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-3 (4.5')

Lab Sample ID: 880-67944-3
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 12:08	02/10/26 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*137*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 03:50*	*1*
o-Terphenyl (Surr)	*166*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 03:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**769**		10.0		mg/Kg			02/10/26 10:12	1

Client Sample ID: CS-4 (4.5')

Lab Sample ID: 880-67944-4
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 00:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:41	02/10/26 00:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:41	02/10/26 00:03	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/09/26 11:41	02/10/26 00:03	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/26 11:41	02/10/26 00:03	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/26 11:41	02/10/26 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*02/09/26 11:41*	*02/10/26 00:03*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/09/26 11:41*	*02/10/26 00:03*	*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			02/10/26 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/10/26 04:06	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		02/09/26 12:08	02/10/26 04:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 04:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*137*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 04:06*	*1*
o-Terphenyl (Surr)	*160*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 04:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**766**		9.98		mg/Kg			02/10/26 10:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-5 (4.5')

Lab Sample ID: 880-67944-5
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 00:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/09/26 11:41	02/10/26 00:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/09/26 11:41	02/10/26 00:23	1
m,p-Xylenes	<0.00396	U *+	0.00396		mg/Kg		02/09/26 11:41	02/10/26 00:23	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		02/09/26 11:41	02/10/26 00:23	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		02/09/26 11:41	02/10/26 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/09/26 11:41*	*02/10/26 00:23*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*02/09/26 11:41*	*02/10/26 00:23*	*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			02/10/26 00:23	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			02/10/26 04:20	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		02/09/26 12:08	02/10/26 04:20	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/26 12:08	02/10/26 04:20	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/26 12:08	02/10/26 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*160*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 04:20*	*1*
o-Terphenyl (Surr)	*177*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 04:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**766**		9.92		mg/Kg			02/10/26 10:25	1

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-67944-6
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 00:44	1
Toluene	**0.00215**		0.00200		mg/Kg		02/09/26 11:41	02/10/26 00:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 00:44	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/09/26 11:41	02/10/26 00:44	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/26 11:41	02/10/26 00:44	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/09/26 11:41	02/10/26 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/09/26 11:41*	*02/10/26 00:44*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*02/09/26 11:41*	*02/10/26 00:44*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-67944-6
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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			02/10/26 00:44	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			02/10/26 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 04:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 04:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*149*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 04:50*	*1*
o-Terphenyl (Surr)	*160*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 04:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**738**		10.0		mg/Kg			02/10/26 10:45	1

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-67944-7
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 01:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:41	02/10/26 01:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:41	02/10/26 01:04	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		02/09/26 11:41	02/10/26 01:04	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/09/26 11:41	02/10/26 01:04	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/09/26 11:41	02/10/26 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/09/26 11:41*	*02/10/26 01:04*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/09/26 11:41*	*02/10/26 01:04*	*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			02/10/26 01:04	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			02/10/26 05:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/09/26 12:08	02/10/26 05:05	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/09/26 12:08	02/10/26 05:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-67944-7
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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)	<50.1	U	50.1		mg/Kg		02/09/26 12:08	02/10/26 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*141*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 05:05*	*1*
o-Terphenyl (Surr)	*169*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 05:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		49.7		mg/Kg			02/10/26 10:52	5

Client Sample ID: CS-8 (4.5')

Lab Sample ID: 880-67944-8
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 01:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 01:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 01:25	1
m,p-Xylenes	<0.00401	U *+	0.00401		mg/Kg		02/09/26 11:41	02/10/26 01:25	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/26 11:41	02/10/26 01:25	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/09/26 11:41	02/10/26 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*02/09/26 11:41*	*02/10/26 01:25*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*02/09/26 11:41*	*02/10/26 01:25*	*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			02/10/26 01:25	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			02/10/26 05:19	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		02/09/26 12:08	02/10/26 05:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 05:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*134*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 05:19*	*1*
o-Terphenyl (Surr)	*158*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 05:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1190**		9.90		mg/Kg			02/10/26 10:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-9 (4.5')

Lab Sample ID: 880-67944-9
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 01:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:41	02/10/26 01:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:41	02/10/26 01:45	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/09/26 11:41	02/10/26 01:45	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/26 11:41	02/10/26 01:45	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/26 11:41	02/10/26 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/09/26 11:41*	*02/10/26 01:45*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/09/26 11:41*	*02/10/26 01:45*	*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			02/10/26 01:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/10/26 05:35	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	<49.7	U	49.7		mg/Kg		02/09/26 12:08	02/10/26 05:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/09/26 12:08	02/10/26 05:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/09/26 12:08	02/10/26 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*134*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 05:35*	*1*
o-Terphenyl (Surr)	*166*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 05:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1220**		49.5		mg/Kg			02/10/26 11:05	5

Client Sample ID: CS-10 (4.5')

Lab Sample ID: 880-67944-10
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 02:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 02:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 02:05	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/09/26 11:41	02/10/26 02:05	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/26 11:41	02/10/26 02:05	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/09/26 11:41	02/10/26 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/09/26 11:41*	*02/10/26 02:05*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/09/26 11:41*	*02/10/26 02:05*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-10 (4.5')

Lab Sample ID: 880-67944-10
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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			02/10/26 02:05	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			02/10/26 05:49	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		02/09/26 12:08	02/10/26 05:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 05:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*144*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 05:49*	*1*
o-Terphenyl (Surr)	*162*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 05:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1120**		49.6		mg/Kg			02/10/26 11:12	5

Client Sample ID: CS-11 (4.5')

Lab Sample ID: 880-67944-11
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 03:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:41	02/10/26 03:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:41	02/10/26 03:56	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		02/09/26 11:41	02/10/26 03:56	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/09/26 11:41	02/10/26 03:56	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/09/26 11:41	02/10/26 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/09/26 11:41*	*02/10/26 03:56*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/09/26 11:41*	*02/10/26 03:56*	*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			02/10/26 03:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/10/26 06:04	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	<50.2	U	50.2		mg/Kg		02/09/26 12:08	02/10/26 06:04	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/09/26 12:08	02/10/26 06:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-11 (4.5')

Lab Sample ID: 880-67944-11
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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)	<50.2	U	50.2		mg/Kg		02/09/26 12:08	02/10/26 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*139*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 06:04*	*1*
o-Terphenyl (Surr)	*162*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 06:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**731**		9.98		mg/Kg			02/10/26 11:19	1

Client Sample ID: CS-12 (4.5')

Lab Sample ID: 880-67944-12
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 04:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:41	02/10/26 04:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:41	02/10/26 04:16	1
m,p-Xylenes	<0.00404	U *+	0.00404		mg/Kg		02/09/26 11:41	02/10/26 04:16	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		02/09/26 11:41	02/10/26 04:16	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		02/09/26 11:41	02/10/26 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*02/09/26 11:41*	*02/10/26 04:16*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*02/09/26 11:41*	*02/10/26 04:16*	*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			02/10/26 04:16	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			02/10/26 06:20	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		02/09/26 12:08	02/10/26 06:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/09/26 12:08	02/10/26 06:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/09/26 12:08	02/10/26 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*129*		*70 - 130*	*02/09/26 12:08*	*02/10/26 06:20*	*1*
o-Terphenyl (Surr)	*156*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 06:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**747**		9.92		mg/Kg			02/10/26 11:39	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-13 (4.5')

Lab Sample ID: 880-67944-13
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 04:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:41	02/10/26 04:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:41	02/10/26 04:37	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/09/26 11:41	02/10/26 04:37	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/26 11:41	02/10/26 04:37	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/26 11:41	02/10/26 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*177*	*S1+*	*70 - 130*	*02/09/26 11:41*	*02/10/26 04:37*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*02/09/26 11:41*	*02/10/26 04:37*	*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			02/10/26 04:37	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			02/10/26 06:34	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		02/09/26 12:08	02/10/26 06:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 06:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*156*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 06:34*	*1*
o-Terphenyl (Surr)	*175*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 06:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**716**		50.4		mg/Kg			02/10/26 11:46	5

Client Sample ID: CS-14 (4.5')

Lab Sample ID: 880-67944-14
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 04:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/09/26 11:41	02/10/26 04:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/09/26 11:41	02/10/26 04:58	1
m,p-Xylenes	<0.00396	U *+	0.00396		mg/Kg		02/09/26 11:41	02/10/26 04:58	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		02/09/26 11:41	02/10/26 04:58	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		02/09/26 11:41	02/10/26 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/09/26 11:41*	*02/10/26 04:58*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/09/26 11:41*	*02/10/26 04:58*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-14 (4.5')

Lab Sample ID: 880-67944-14
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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			02/10/26 04:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/10/26 06:48	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	<49.6	U	49.6		mg/Kg		02/09/26 12:08	02/10/26 06:48	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/26 12:08	02/10/26 06:48	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/26 12:08	02/10/26 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*157*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 06:48*	*1*
o-Terphenyl (Surr)	*175*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 06:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1190**		49.8		mg/Kg			02/10/26 12:06	5

Client Sample ID: CS-15 (4.5')

Lab Sample ID: 880-67944-15
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 05:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 05:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 05:18	1
m,p-Xylenes	<0.00400	U *+	0.00400		mg/Kg		02/09/26 11:41	02/10/26 05:18	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/26 11:41	02/10/26 05:18	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		02/09/26 11:41	02/10/26 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*02/09/26 11:41*	*02/10/26 05:18*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/09/26 11:41*	*02/10/26 05:18*	*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			02/10/26 05:18	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			02/10/26 07:02	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	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 07:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 07:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-15 (4.5')

Lab Sample ID: 880-67944-15
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*156*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 07:02*	*1*
o-Terphenyl (Surr)	*177*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 07:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**717**		9.92		mg/Kg			02/10/26 12:12	1

Client Sample ID: CS-16 (4.5')

Lab Sample ID: 880-67944-16
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 05:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 05:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 05:39	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/09/26 11:41	02/10/26 05:39	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/26 11:41	02/10/26 05:39	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/09/26 11:41	02/10/26 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*02/09/26 11:41*	*02/10/26 05:39*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/09/26 11:41*	*02/10/26 05:39*	*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			02/10/26 05:39	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			02/10/26 01:36	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 F1	49.9		mg/Kg		02/09/26 12:14	02/10/26 01:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		02/09/26 12:14	02/10/26 01:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:14	02/10/26 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*124*		*70 - 130*	*02/09/26 12:14*	*02/10/26 01:36*	*1*
o-Terphenyl (Surr)	*134*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 01:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1330**		50.4		mg/Kg			02/10/26 12:19	5

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-17 (4.5')

Lab Sample ID: 880-67944-17
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 05:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:41	02/10/26 05:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:41	02/10/26 05:59	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		02/09/26 11:41	02/10/26 05:59	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/09/26 11:41	02/10/26 05:59	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/09/26 11:41	02/10/26 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*02/09/26 11:41*	*02/10/26 05:59*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/09/26 11:41*	*02/10/26 05:59*	*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			02/10/26 05:59	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			02/10/26 02:20	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		02/09/26 12:14	02/10/26 02:20	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/09/26 12:14	02/10/26 02:20	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/09/26 12:14	02/10/26 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*02/09/26 12:14*	*02/10/26 02:20*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*02/09/26 12:14*	*02/10/26 02:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**748**		49.8		mg/Kg			02/10/26 12:26	5

Client Sample ID: CS-18 (4.5')

Lab Sample ID: 880-67944-18
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 06:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:41	02/10/26 06:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:41	02/10/26 06:19	1
m,p-Xylenes	<0.00404	U *+	0.00404		mg/Kg		02/09/26 11:41	02/10/26 06:19	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		02/09/26 11:41	02/10/26 06:19	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		02/09/26 11:41	02/10/26 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/09/26 11:41*	*02/10/26 06:19*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/09/26 11:41*	*02/10/26 06:19*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-18 (4.5')

Lab Sample ID: 880-67944-18
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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			02/10/26 06:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/10/26 02:36	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		02/09/26 12:14	02/10/26 02:36	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/26 12:14	02/10/26 02:36	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/26 12:14	02/10/26 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*02/09/26 12:14*	*02/10/26 02:36*	*1*
o-Terphenyl (Surr)	*124*		*70 - 130*	*02/09/26 12:14*	*02/10/26 02:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**756**		49.9		mg/Kg			02/10/26 12:32	5

Client Sample ID: CS-19 (4.5')

Lab Sample ID: 880-67944-19
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:41	02/10/26 06:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:41	02/10/26 06:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:41	02/10/26 06:40	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/09/26 11:41	02/10/26 06:40	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/26 11:41	02/10/26 06:40	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/26 11:41	02/10/26 06:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/09/26 11:41*	*02/10/26 06:40*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/09/26 11:41*	*02/10/26 06:40*	*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			02/10/26 06:40	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			02/10/26 02:51	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		02/09/26 12:14	02/10/26 02:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/09/26 12:14	02/10/26 02:51	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-19 (4.5')

Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Lab Sample ID: 880-67944-19
Matrix: Solid

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		02/09/26 12:14	02/10/26 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*02/09/26 12:14*	*02/10/26 02:51*	*1*
o-Terphenyl (Surr)	*126*		*70 - 130*	*02/09/26 12:14*	*02/10/26 02:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**707**		10.0		mg/Kg			02/10/26 12:39	1

Client Sample ID: CS-20 (4.5')

Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Lab Sample ID: 880-67944-20
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		02/09/26 11:41	02/10/26 07:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 07:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/10/26 07:00	1
m,p-Xylenes	<0.00400	U *+	0.00400		mg/Kg		02/09/26 11:41	02/10/26 07:00	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/26 11:41	02/10/26 07:00	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		02/09/26 11:41	02/10/26 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*200*	*S1+*	*70 - 130*	*02/09/26 11:41*	*02/10/26 07:00*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*02/09/26 11:41*	*02/10/26 07:00*	*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			02/10/26 07:00	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			02/10/26 03:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/09/26 12:14	02/10/26 03:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/26 12:14	02/10/26 03:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:14	02/10/26 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*02/09/26 12:14*	*02/10/26 03:05*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*02/09/26 12:14*	*02/10/26 03:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**714**		49.7		mg/Kg			02/10/26 12:46	5

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-21 (2.5')

Lab Sample ID: 880-67944-21
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 06:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 06:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 06:12	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/09/26 11:51	02/10/26 06:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 06:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/09/26 11:51	02/10/26 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/09/26 11:51*	*02/10/26 06:12*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*02/09/26 11:51*	*02/10/26 06:12*	*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			02/10/26 06:12	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			02/10/26 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/09/26 12:14	02/10/26 03:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/09/26 12:14	02/10/26 03:21	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/09/26 12:14	02/10/26 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*131*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 03:21*	*1*
o-Terphenyl (Surr)	*134*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 03:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.3**		9.92		mg/Kg			02/09/26 21:00	1

Client Sample ID: CS-22 (2.5')

Lab Sample ID: 880-67944-22
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 06:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 06:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 06:32	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/09/26 11:51	02/10/26 06:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 06:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/09/26 11:51	02/10/26 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/09/26 11:51*	*02/10/26 06:32*	*1*
1,4-Difluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*02/09/26 11:51*	*02/10/26 06:32*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-22 (2.5')

Lab Sample ID: 880-67944-22
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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			02/10/26 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/10/26 03:35	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		02/09/26 12:14	02/10/26 03:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/09/26 12:14	02/10/26 03:35	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/09/26 12:14	02/10/26 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*138*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 03:35*	*1*
o-Terphenyl (Surr)	*150*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 03:35*	*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			02/09/26 21:21	1

Client Sample ID: CS-23 (2.5')

Lab Sample ID: 880-67944-23
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 06:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:51	02/10/26 06:53	1
Ethylbenzene	**0.00222**		0.00202		mg/Kg		02/09/26 11:51	02/10/26 06:53	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/09/26 11:51	02/10/26 06:53	1
o-Xylene	**0.00216**		0.00202		mg/Kg		02/09/26 11:51	02/10/26 06:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/09/26 11:51	02/10/26 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*02/09/26 11:51*	*02/10/26 06:53*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/09/26 11:51*	*02/10/26 06:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00438**		0.00404		mg/Kg			02/10/26 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/10/26 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/09/26 12:14	02/10/26 03:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/09/26 12:14	02/10/26 03:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-23 (2.5')

Lab Sample ID: 880-67944-23
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 12:14	02/10/26 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*135*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 03:50*	*1*
o-Terphenyl (Surr)	*141*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 03:50*	*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			02/09/26 21:28	1

Client Sample ID: CS-24 (2.5')

Lab Sample ID: 880-67944-24
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 08:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 08:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 08:50	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/09/26 11:51	02/10/26 08:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 08:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/26 11:51	02/10/26 08:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*02/09/26 11:51*	*02/10/26 08:50*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/09/26 11:51*	*02/10/26 08:50*	*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			02/10/26 08:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/10/26 04:06	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		02/09/26 12:14	02/10/26 04:06	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/26 12:14	02/10/26 04:06	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/26 12:14	02/10/26 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*123*		*70 - 130*	*02/09/26 12:14*	*02/10/26 04:06*	*1*
o-Terphenyl (Surr)	*131*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 04:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			02/09/26 21:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS25- (2.5')

Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Lab Sample ID: 880-67944-25

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		02/09/26 11:51	02/10/26 09:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 09:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 09:10	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/09/26 11:51	02/10/26 09:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 09:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/26 11:51	02/10/26 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/09/26 11:51*	*02/10/26 09:10*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/09/26 11:51*	*02/10/26 09:10*	*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			02/10/26 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/10/26 04:20	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		02/09/26 12:14	02/10/26 04:20	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/09/26 12:14	02/10/26 04:20	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/09/26 12:14	02/10/26 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*02/09/26 12:14*	*02/10/26 04:20*	*1*
o-Terphenyl (Surr)	*111*		*70 - 130*	*02/09/26 12:14*	*02/10/26 04:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.3**		10.1		mg/Kg			02/09/26 21:42	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-67943-A-1-D MS	Matrix Spike	97	91
880-67943-A-1-E MSD	Matrix Spike Duplicate	102	116
880-67944-1	CS1- (4.5')	100	104
880-67944-1 MS	CS1- (4.5')	119	96
880-67944-1 MSD	CS1- (4.5')	104	91
880-67944-2	CS-2 (4.5')	106	107
880-67944-3	CS-3 (4.5')	112	101
880-67944-4	CS-4 (4.5')	114	98
880-67944-5	CS-5 (4.5')	121	117
880-67944-6	CS-6 (4.5')	119	112
880-67944-7	CS-7 (4.5')	117	99
880-67944-8	CS-8 (4.5')	136 S1+	117
880-67944-9	CS-9 (4.5')	119	101
880-67944-10	CS-10 (4.5')	113	92
880-67944-11	CS-11 (4.5')	94	98
880-67944-12	CS-12 (4.5')	135 S1+	127
880-67944-13	CS-13 (4.5')	177 S1+	72
880-67944-14	CS-14 (4.5')	119	107
880-67944-15	CS-15 (4.5')	122	107
880-67944-16	CS-16 (4.5')	123	111
880-67944-17	CS-17 (4.5')	130	110
880-67944-18	CS-18 (4.5')	119	99
880-67944-19	CS-19 (4.5')	124	105
880-67944-20	CS-20 (4.5')	200 S1+	71
880-67944-21	CS-21 (2.5')	109	115
880-67944-22	CS-22 (2.5')	126	132 S1+
880-67944-23	CS-23 (2.5')	72	101
880-67944-24	CS-24 (2.5')	86	86
880-67944-25	CS25- (2.5')	102	110
LCS 880-131208/1-A	Lab Control Sample	105	95
LCS 880-131210/1-A	Lab Control Sample	102	110
LCSD 880-131208/2-A	Lab Control Sample Dup	126	103
LCSD 880-131210/2-A	Lab Control Sample Dup	103	108
MB 880-130949/5-A	Method Blank	98	109
MB 880-131173/5-A	Method Blank	194 S1+	124
MB 880-131208/5-A	Method Blank	172 S1+	102
MB 880-131210/5-A	Method Blank	99	113

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-67943-A-11-F MS	Matrix Spike	127	150 S1+
880-67943-A-11-G MSD	Matrix Spike Duplicate	128	149 S1+

Surrogate Summary

Client: Carmona Resources Job ID: 880-67944-1
Project/Site: Young, 8709 (02.20.19) SDG: 2822

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-67944-1	CS1- (4.5')	124	151 S1+
880-67944-2	CS-2 (4.5')	140 S1+	158 S1+
880-67944-3	CS-3 (4.5')	137 S1+	166 S1+
880-67944-4	CS-4 (4.5')	137 S1+	160 S1+
880-67944-5	CS-5 (4.5')	160 S1+	177 S1+
880-67944-6	CS-6 (4.5')	149 S1+	160 S1+
880-67944-7	CS-7 (4.5')	141 S1+	169 S1+
880-67944-8	CS-8 (4.5')	134 S1+	158 S1+
880-67944-9	CS-9 (4.5')	134 S1+	166 S1+
880-67944-10	CS-10 (4.5')	144 S1+	162 S1+
880-67944-11	CS-11 (4.5')	139 S1+	162 S1+
880-67944-12	CS-12 (4.5')	129	156 S1+
880-67944-13	CS-13 (4.5')	156 S1+	175 S1+
880-67944-14	CS-14 (4.5')	157 S1+	175 S1+
880-67944-15	CS-15 (4.5')	156 S1+	177 S1+
880-67944-16	CS-16 (4.5')	124	134 S1+
880-67944-16 MS	CS-16 (4.5')	126	132 S1+
880-67944-16 MSD	CS-16 (4.5')	144 S1+	131 S1+
880-67944-17	CS-17 (4.5')	92	101
880-67944-18	CS-18 (4.5')	115	124
880-67944-19	CS-19 (4.5')	119	126
880-67944-20	CS-20 (4.5')	83	92
880-67944-21	CS-21 (2.5')	131 S1+	134 S1+
880-67944-22	CS-22 (2.5')	138 S1+	150 S1+
880-67944-23	CS-23 (2.5')	135 S1+	141 S1+
880-67944-24	CS-24 (2.5')	123	131 S1+
880-67944-25	CS25- (2.5')	102	111
LCS 880-131215/2-A	Lab Control Sample	167 S1+	151 S1+
LCS 880-131217/2-A	Lab Control Sample	119	121
LCSD 880-131215/3-A	Lab Control Sample Dup	169 S1+	153 S1+
LCSD 880-131217/3-A	Lab Control Sample Dup	121	122
MB 880-131215/1-A	Method Blank	128	142 S1+
MB 880-131217/1-A	Method Blank	119	121

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-130949/5-A
Matrix: Solid
Analysis Batch: 131163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 130949

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:56	02/09/26 12:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:56	02/09/26 12:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:56	02/09/26 12:28	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/05/26 12:56	02/09/26 12:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:56	02/09/26 12:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/26 12:56	02/09/26 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/05/26 12:56*	*02/09/26 12:28*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/05/26 12:56*	*02/09/26 12:28*	*1*

Lab Sample ID: MB 880-131173/5-A
Matrix: Solid
Analysis Batch: 131164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131173

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/26 09:36	02/09/26 10:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 09:36	02/09/26 10:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 09:36	02/09/26 10:55	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/09/26 09:36	02/09/26 10:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 09:36	02/09/26 10:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/26 09:36	02/09/26 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*194*	*S1+*	*70 - 130*	*02/09/26 09:36*	*02/09/26 10:55*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*02/09/26 09:36*	*02/09/26 10:55*	*1*

Lab Sample ID: MB 880-131208/5-A
Matrix: Solid
Analysis Batch: 131164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/09/26 22:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/09/26 22:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/09/26 22:32	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/09/26 11:41	02/09/26 22:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:41	02/09/26 22:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/26 11:41	02/09/26 22:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*172*	*S1+*	*70 - 130*	*02/09/26 11:41*	*02/09/26 22:32*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/09/26 11:41*	*02/09/26 22:32*	*1*

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

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

Lab Sample ID: LCS 880-131208/1-A
Matrix: Solid
Analysis Batch: 131164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131208

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	0.1065		mg/Kg		107	70 - 130		
Ethylbenzene			0.100	0.1001		mg/Kg		100	70 - 130		
m,p-Xylenes			0.200	0.2222		mg/Kg		111	70 - 130		
o-Xylene			0.100	0.1037		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-131208/2-A
Matrix: Solid
Analysis Batch: 131164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131208

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1155		mg/Kg		115	70 - 130	7	35
Toluene			0.100	0.1234		mg/Kg		123	70 - 130	15	35
Ethylbenzene			0.100	0.1218		mg/Kg		122	70 - 130	20	35
m,p-Xylenes			0.200	0.2618	*+	mg/Kg		131	70 - 130	16	35
o-Xylene			0.100	0.1469	*+	mg/Kg		147	70 - 130	34	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-67944-1 MS
Matrix: Solid
Analysis Batch: 131164

Client Sample ID: CS1- (4.5')
Prep Type: Total/NA
Prep Batch: 131208

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09932		mg/Kg		99	70 - 130		
Toluene	<0.00200	U	0.100	0.09404		mg/Kg		94	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09595		mg/Kg		96	70 - 130		
m,p-Xylenes	<0.00399	U *+	0.200	0.2072		mg/Kg		104	70 - 130		
o-Xylene	<0.00200	U *+	0.100	0.1012		mg/Kg		101	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-67944-1 MSD
Matrix: Solid
Analysis Batch: 131164

Client Sample ID: CS1- (4.5')
Prep Type: Total/NA
Prep Batch: 131208

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	0.09933		mg/Kg		99	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.09615		mg/Kg		96	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1005		mg/Kg		100	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

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

Lab Sample ID: 880-67944-1 MSD
Matrix: Solid
Analysis Batch: 131164

Client Sample ID: CS1- (4.5')
Prep Type: Total/NA
Prep Batch: 131208

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	<0.00399	U *+	0.200	0.2142		mg/Kg		107	70 - 130	3	35
o-Xylene	<0.00200	U *+	0.100	0.1054		mg/Kg		105	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: MB 880-131210/5-A
Matrix: Solid
Analysis Batch: 131163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/09/26 23:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/09/26 23:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/09/26 23:39	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/09/26 11:51	02/09/26 23:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/09/26 23:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/26 11:51	02/09/26 23:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/09/26 11:51*	*02/09/26 23:39*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/09/26 11:51*	*02/09/26 23:39*	*1*

Lab Sample ID: LCS 880-131210/1-A
Matrix: Solid
Analysis Batch: 131163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131210

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09321		mg/Kg		93	70 - 130
Toluene	0.100	0.08657		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09065		mg/Kg		91	70 - 130
m,p-Xylenes	0.200	0.1763		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08492		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-131210/2-A
Matrix: Solid
Analysis Batch: 131163

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131210

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09951		mg/Kg		100	70 - 130	7	35
Toluene	0.100	0.09190		mg/Kg		92	70 - 130	6	35
Ethylbenzene	0.100	0.09809		mg/Kg		98	70 - 130	8	35
m,p-Xylenes	0.200	0.1880		mg/Kg		94	70 - 130	6	35
o-Xylene	0.100	0.09064		mg/Kg		91	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-67943-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131163 — **Prep Batch: 131210**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.100	0.05866	F1	mg/Kg		59	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.05259	F1	mg/Kg		53	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.06466	F1	mg/Kg		65	70 - 130
m,p-Xylenes	<0.00399	U F1	0.200	0.1258	F1	mg/Kg		63	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.05956	F1	mg/Kg		60	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 880-67943-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131163 — **Prep Batch: 131210**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.09244	F2	mg/Kg		92	70 - 130	45	35
Toluene	<0.00200	U F1 F2	0.100	0.08041	F2	mg/Kg		80	70 - 130	42	35
Ethylbenzene	<0.00200	U F1	0.100	0.08920		mg/Kg		89	70 - 130	32	35
m,p-Xylenes	<0.00399	U F1	0.200	0.1667		mg/Kg		83	70 - 130	28	35
o-Xylene	<0.00200	U F1	0.100	0.08418		mg/Kg		84	70 - 130	34	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

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

Lab Sample ID: MB 880-131215/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131189 — **Prep Batch: 131215**

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		02/09/26 12:08	02/10/26 00:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 00:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 00:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*128*		*70 - 130*	*02/09/26 12:08*	*02/10/26 00:36*	*1*
o-Terphenyl (Surr)	*142*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 00:36*	*1*

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

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

Lab Sample ID: LCS 880-131215/2-A
Matrix: Solid
Analysis Batch: 131189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131215

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1145		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1105		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*167*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*151*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-131215/3-A
Matrix: Solid
Analysis Batch: 131189

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131215

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1162		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1130		mg/Kg		113	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*169*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*153*	*S1+*	*70 - 130*

Lab Sample ID: 880-67943-A-11-F MS
Matrix: Solid
Analysis Batch: 131189

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131215

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	1014		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1078		mg/Kg		108	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*127*		*70 - 130*
o-Terphenyl (Surr)	*150*	*S1+*	*70 - 130*

Lab Sample ID: 880-67943-A-11-G MSD
Matrix: Solid
Analysis Batch: 131189

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 131215

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	1040		mg/Kg		104	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1094		mg/Kg		110	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*128*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

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

Lab Sample ID: 880-67943-A-11-G MSD
Matrix: Solid
Analysis Batch: 131189

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 131215

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	149	S1+	70 - 130

Lab Sample ID: MB 880-131217/1-A
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131217

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		02/09/26 12:14	02/10/26 00:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/26 12:14	02/10/26 00:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/26 12:14	02/10/26 00:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130	02/09/26 12:14	02/10/26 00:36	1
o-Terphenyl (Surr)	121		70 - 130	02/09/26 12:14	02/10/26 00:36	1

Lab Sample ID: LCS 880-131217/2-A
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131217

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1128		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1167		mg/Kg		117	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	121		70 - 130

Lab Sample ID: LCSD 880-131217/3-A
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131217

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1133		mg/Kg		113	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1247		mg/Kg		125	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	121		70 - 130
o-Terphenyl (Surr)	122		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

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

Lab Sample ID: 880-67944-16 MS
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: CS-16 (4.5')
Prep Type: Total/NA
Prep Batch: 131217

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	999	606.7	F1	mg/Kg		61	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	693.3	F1	mg/Kg		69	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*126*		*70 - 130*
o-Terphenyl (Surr)	*132*	*S1+*	*70 - 130*

Lab Sample ID: 880-67944-16 MSD
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: CS-16 (4.5')
Prep Type: Total/NA
Prep Batch: 131217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	617.3	F1	mg/Kg		62	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	643.1	F1	mg/Kg		64	70 - 130	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*144*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*131*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-131171/1-A
Matrix: Solid
Analysis Batch: 131279

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			02/09/26 20:40	1

Lab Sample ID: LCS 880-131171/2-A
Matrix: Solid
Analysis Batch: 131279

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	230.8		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-131171/3-A
Matrix: Solid
Analysis Batch: 131279

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	231.6		mg/Kg		93	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-67944-21 MS
Matrix: Solid
Analysis Batch: 131279

Client Sample ID: CS-21 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	26.3		248	270.2		mg/Kg		98	90 - 110

Lab Sample ID: 880-67944-21 MSD
Matrix: Solid
Analysis Batch: 131279

Client Sample ID: CS-21 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26.3		248	272.3		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-131169/1-A
Matrix: Solid
Analysis Batch: 131284

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			02/10/26 09:25	1

Lab Sample ID: LCS 880-131169/2-A
Matrix: Solid
Analysis Batch: 131284

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-131169/3-A
Matrix: Solid
Analysis Batch: 131284

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	228.7		mg/Kg		91	90 - 110	4	20

Lab Sample ID: 880-67944-1 MS
Matrix: Solid
Analysis Batch: 131284

Client Sample ID: CS1- (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	768		251	1023		mg/Kg		101	90 - 110

Lab Sample ID: 880-67944-1 MSD
Matrix: Solid
Analysis Batch: 131284

Client Sample ID: CS1- (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	768		251	1026		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-67944-11 MS
Matrix: Solid
Analysis Batch: 131284

Client Sample ID: CS-11 (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	731		250	970.4		mg/Kg		96	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-67944-11 MSD
Matrix: Solid
Analysis Batch: 131284

Client Sample ID: CS-11 (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	731		250	985.5		mg/Kg		102	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

GC VOA

Prep Batch: 130949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-130949/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 131163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-21	CS-21 (2.5')	Total/NA	Solid	8021B	131210
880-67944-22	CS-22 (2.5')	Total/NA	Solid	8021B	131210
880-67944-23	CS-23 (2.5')	Total/NA	Solid	8021B	131210
880-67944-24	CS-24 (2.5')	Total/NA	Solid	8021B	131210
880-67944-25	CS25- (2.5')	Total/NA	Solid	8021B	131210
MB 880-130949/5-A	Method Blank	Total/NA	Solid	8021B	130949
MB 880-131210/5-A	Method Blank	Total/NA	Solid	8021B	131210
LCS 880-131210/1-A	Lab Control Sample	Total/NA	Solid	8021B	131210
LCSD 880-131210/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131210
880-67943-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	131210
880-67943-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	131210

Analysis Batch: 131164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-1	CS1- (4.5')	Total/NA	Solid	8021B	131208
880-67944-2	CS-2 (4.5')	Total/NA	Solid	8021B	131208
880-67944-3	CS-3 (4.5')	Total/NA	Solid	8021B	131208
880-67944-4	CS-4 (4.5')	Total/NA	Solid	8021B	131208
880-67944-5	CS-5 (4.5')	Total/NA	Solid	8021B	131208
880-67944-6	CS-6 (4.5')	Total/NA	Solid	8021B	131208
880-67944-7	CS-7 (4.5')	Total/NA	Solid	8021B	131208
880-67944-8	CS-8 (4.5')	Total/NA	Solid	8021B	131208
880-67944-9	CS-9 (4.5')	Total/NA	Solid	8021B	131208
880-67944-10	CS-10 (4.5')	Total/NA	Solid	8021B	131208
880-67944-11	CS-11 (4.5')	Total/NA	Solid	8021B	131208
880-67944-12	CS-12 (4.5')	Total/NA	Solid	8021B	131208
880-67944-13	CS-13 (4.5')	Total/NA	Solid	8021B	131208
880-67944-14	CS-14 (4.5')	Total/NA	Solid	8021B	131208
880-67944-15	CS-15 (4.5')	Total/NA	Solid	8021B	131208
880-67944-16	CS-16 (4.5')	Total/NA	Solid	8021B	131208
880-67944-17	CS-17 (4.5')	Total/NA	Solid	8021B	131208
880-67944-18	CS-18 (4.5')	Total/NA	Solid	8021B	131208
880-67944-19	CS-19 (4.5')	Total/NA	Solid	8021B	131208
880-67944-20	CS-20 (4.5')	Total/NA	Solid	8021B	131208
MB 880-131173/5-A	Method Blank	Total/NA	Solid	8021B	131173
MB 880-131208/5-A	Method Blank	Total/NA	Solid	8021B	131208
LCS 880-131208/1-A	Lab Control Sample	Total/NA	Solid	8021B	131208
LCSD 880-131208/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131208
880-67944-1 MS	CS1- (4.5')	Total/NA	Solid	8021B	131208
880-67944-1 MSD	CS1- (4.5')	Total/NA	Solid	8021B	131208

Prep Batch: 131173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-131173/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

GC VOA

Prep Batch: 131208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-1	CS1- (4.5')	Total/NA	Solid	5035	
880-67944-2	CS-2 (4.5')	Total/NA	Solid	5035	
880-67944-3	CS-3 (4.5')	Total/NA	Solid	5035	
880-67944-4	CS-4 (4.5')	Total/NA	Solid	5035	
880-67944-5	CS-5 (4.5')	Total/NA	Solid	5035	
880-67944-6	CS-6 (4.5')	Total/NA	Solid	5035	
880-67944-7	CS-7 (4.5')	Total/NA	Solid	5035	
880-67944-8	CS-8 (4.5')	Total/NA	Solid	5035	
880-67944-9	CS-9 (4.5')	Total/NA	Solid	5035	
880-67944-10	CS-10 (4.5')	Total/NA	Solid	5035	
880-67944-11	CS-11 (4.5')	Total/NA	Solid	5035	
880-67944-12	CS-12 (4.5')	Total/NA	Solid	5035	
880-67944-13	CS-13 (4.5')	Total/NA	Solid	5035	
880-67944-14	CS-14 (4.5')	Total/NA	Solid	5035	
880-67944-15	CS-15 (4.5')	Total/NA	Solid	5035	
880-67944-16	CS-16 (4.5')	Total/NA	Solid	5035	
880-67944-17	CS-17 (4.5')	Total/NA	Solid	5035	
880-67944-18	CS-18 (4.5')	Total/NA	Solid	5035	
880-67944-19	CS-19 (4.5')	Total/NA	Solid	5035	
880-67944-20	CS-20 (4.5')	Total/NA	Solid	5035	
MB 880-131208/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131208/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131208/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67944-1 MS	CS1- (4.5')	Total/NA	Solid	5035	
880-67944-1 MSD	CS1- (4.5')	Total/NA	Solid	5035	

Prep Batch: 131210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-21	CS-21 (2.5')	Total/NA	Solid	5035	
880-67944-22	CS-22 (2.5')	Total/NA	Solid	5035	
880-67944-23	CS-23 (2.5')	Total/NA	Solid	5035	
880-67944-24	CS-24 (2.5')	Total/NA	Solid	5035	
880-67944-25	CS25- (2.5')	Total/NA	Solid	5035	
MB 880-131210/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131210/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131210/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67943-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-67943-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 131383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-1	CS1- (4.5')	Total/NA	Solid	Total BTEX	
880-67944-2	CS-2 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-3	CS-3 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-4	CS-4 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-5	CS-5 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-6	CS-6 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-7	CS-7 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-8	CS-8 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-9	CS-9 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-10	CS-10 (4.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

GC VOA (Continued)

Analysis Batch: 131383 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-11	CS-11 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-12	CS-12 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-13	CS-13 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-14	CS-14 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-15	CS-15 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-16	CS-16 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-17	CS-17 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-18	CS-18 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-19	CS-19 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-20	CS-20 (4.5')	Total/NA	Solid	Total BTEX	
880-67944-21	CS-21 (2.5')	Total/NA	Solid	Total BTEX	
880-67944-22	CS-22 (2.5')	Total/NA	Solid	Total BTEX	
880-67944-23	CS-23 (2.5')	Total/NA	Solid	Total BTEX	
880-67944-24	CS-24 (2.5')	Total/NA	Solid	Total BTEX	
880-67944-25	CS25- (2.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 131189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-1	CS1- (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-2	CS-2 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-3	CS-3 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-4	CS-4 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-5	CS-5 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-6	CS-6 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-7	CS-7 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-8	CS-8 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-9	CS-9 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-10	CS-10 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-11	CS-11 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-12	CS-12 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-13	CS-13 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-14	CS-14 (4.5')	Total/NA	Solid	8015B NM	131215
880-67944-15	CS-15 (4.5')	Total/NA	Solid	8015B NM	131215
MB 880-131215/1-A	Method Blank	Total/NA	Solid	8015B NM	131215
LCS 880-131215/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131215
LCSD 880-131215/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131215
880-67943-A-11-F MS	Matrix Spike	Total/NA	Solid	8015B NM	131215
880-67943-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131215

Analysis Batch: 131190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-16	CS-16 (4.5')	Total/NA	Solid	8015B NM	131217
880-67944-17	CS-17 (4.5')	Total/NA	Solid	8015B NM	131217
880-67944-18	CS-18 (4.5')	Total/NA	Solid	8015B NM	131217
880-67944-19	CS-19 (4.5')	Total/NA	Solid	8015B NM	131217
880-67944-20	CS-20 (4.5')	Total/NA	Solid	8015B NM	131217
880-67944-21	CS-21 (2.5')	Total/NA	Solid	8015B NM	131217
880-67944-22	CS-22 (2.5')	Total/NA	Solid	8015B NM	131217
880-67944-23	CS-23 (2.5')	Total/NA	Solid	8015B NM	131217

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

GC Semi VOA (Continued)

Analysis Batch: 131190 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-24	CS-24 (2.5')	Total/NA	Solid	8015B NM	131217
880-67944-25	CS25- (2.5')	Total/NA	Solid	8015B NM	131217
MB 880-131217/1-A	Method Blank	Total/NA	Solid	8015B NM	131217
LCS 880-131217/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131217
LCSD 880-131217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131217
880-67944-16 MS	CS-16 (4.5')	Total/NA	Solid	8015B NM	131217
880-67944-16 MSD	CS-16 (4.5')	Total/NA	Solid	8015B NM	131217

Prep Batch: 131215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-1	CS1- (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-2	CS-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-3	CS-3 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-4	CS-4 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-5	CS-5 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-6	CS-6 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-7	CS-7 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-8	CS-8 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-9	CS-9 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-10	CS-10 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-11	CS-11 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-12	CS-12 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-13	CS-13 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-14	CS-14 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-15	CS-15 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-131215/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131215/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131215/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67943-A-11-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67943-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 131217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-16	CS-16 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-17	CS-17 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-18	CS-18 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-19	CS-19 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-20	CS-20 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-21	CS-21 (2.5')	Total/NA	Solid	8015NM Prep	
880-67944-22	CS-22 (2.5')	Total/NA	Solid	8015NM Prep	
880-67944-23	CS-23 (2.5')	Total/NA	Solid	8015NM Prep	
880-67944-24	CS-24 (2.5')	Total/NA	Solid	8015NM Prep	
880-67944-25	CS25- (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-131217/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131217/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67944-16 MS	CS-16 (4.5')	Total/NA	Solid	8015NM Prep	
880-67944-16 MSD	CS-16 (4.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

GC Semi VOA

Analysis Batch: 131389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-1	CS1- (4.5')	Total/NA	Solid	8015 NM	
880-67944-2	CS-2 (4.5')	Total/NA	Solid	8015 NM	
880-67944-3	CS-3 (4.5')	Total/NA	Solid	8015 NM	
880-67944-4	CS-4 (4.5')	Total/NA	Solid	8015 NM	
880-67944-5	CS-5 (4.5')	Total/NA	Solid	8015 NM	
880-67944-6	CS-6 (4.5')	Total/NA	Solid	8015 NM	
880-67944-7	CS-7 (4.5')	Total/NA	Solid	8015 NM	
880-67944-8	CS-8 (4.5')	Total/NA	Solid	8015 NM	
880-67944-9	CS-9 (4.5')	Total/NA	Solid	8015 NM	
880-67944-10	CS-10 (4.5')	Total/NA	Solid	8015 NM	
880-67944-11	CS-11 (4.5')	Total/NA	Solid	8015 NM	
880-67944-12	CS-12 (4.5')	Total/NA	Solid	8015 NM	
880-67944-13	CS-13 (4.5')	Total/NA	Solid	8015 NM	
880-67944-14	CS-14 (4.5')	Total/NA	Solid	8015 NM	
880-67944-15	CS-15 (4.5')	Total/NA	Solid	8015 NM	
880-67944-16	CS-16 (4.5')	Total/NA	Solid	8015 NM	
880-67944-17	CS-17 (4.5')	Total/NA	Solid	8015 NM	
880-67944-18	CS-18 (4.5')	Total/NA	Solid	8015 NM	
880-67944-19	CS-19 (4.5')	Total/NA	Solid	8015 NM	
880-67944-20	CS-20 (4.5')	Total/NA	Solid	8015 NM	
880-67944-21	CS-21 (2.5')	Total/NA	Solid	8015 NM	
880-67944-22	CS-22 (2.5')	Total/NA	Solid	8015 NM	
880-67944-23	CS-23 (2.5')	Total/NA	Solid	8015 NM	
880-67944-24	CS-24 (2.5')	Total/NA	Solid	8015 NM	
880-67944-25	CS25- (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 131169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-1	CS1- (4.5')	Soluble	Solid	DI Leach	
880-67944-2	CS-2 (4.5')	Soluble	Solid	DI Leach	
880-67944-3	CS-3 (4.5')	Soluble	Solid	DI Leach	
880-67944-4	CS-4 (4.5')	Soluble	Solid	DI Leach	
880-67944-5	CS-5 (4.5')	Soluble	Solid	DI Leach	
880-67944-6	CS-6 (4.5')	Soluble	Solid	DI Leach	
880-67944-7	CS-7 (4.5')	Soluble	Solid	DI Leach	
880-67944-8	CS-8 (4.5')	Soluble	Solid	DI Leach	
880-67944-9	CS-9 (4.5')	Soluble	Solid	DI Leach	
880-67944-10	CS-10 (4.5')	Soluble	Solid	DI Leach	
880-67944-11	CS-11 (4.5')	Soluble	Solid	DI Leach	
880-67944-12	CS-12 (4.5')	Soluble	Solid	DI Leach	
880-67944-13	CS-13 (4.5')	Soluble	Solid	DI Leach	
880-67944-14	CS-14 (4.5')	Soluble	Solid	DI Leach	
880-67944-15	CS-15 (4.5')	Soluble	Solid	DI Leach	
880-67944-16	CS-16 (4.5')	Soluble	Solid	DI Leach	
880-67944-17	CS-17 (4.5')	Soluble	Solid	DI Leach	
880-67944-18	CS-18 (4.5')	Soluble	Solid	DI Leach	
880-67944-19	CS-19 (4.5')	Soluble	Solid	DI Leach	
880-67944-20	CS-20 (4.5')	Soluble	Solid	DI Leach	
MB 880-131169/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

HPLC/IC (Continued)

Leach Batch: 131169 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-131169/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131169/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67944-1 MS	CS1- (4.5')	Soluble	Solid	DI Leach	
880-67944-1 MSD	CS1- (4.5')	Soluble	Solid	DI Leach	
880-67944-11 MS	CS-11 (4.5')	Soluble	Solid	DI Leach	
880-67944-11 MSD	CS-11 (4.5')	Soluble	Solid	DI Leach	

Leach Batch: 131171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-21	CS-21 (2.5')	Soluble	Solid	DI Leach	
880-67944-22	CS-22 (2.5')	Soluble	Solid	DI Leach	
880-67944-23	CS-23 (2.5')	Soluble	Solid	DI Leach	
880-67944-24	CS-24 (2.5')	Soluble	Solid	DI Leach	
880-67944-25	CS25- (2.5')	Soluble	Solid	DI Leach	
MB 880-131171/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131171/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131171/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67944-21 MS	CS-21 (2.5')	Soluble	Solid	DI Leach	
880-67944-21 MSD	CS-21 (2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 131279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-21	CS-21 (2.5')	Soluble	Solid	300.0	131171
880-67944-22	CS-22 (2.5')	Soluble	Solid	300.0	131171
880-67944-23	CS-23 (2.5')	Soluble	Solid	300.0	131171
880-67944-24	CS-24 (2.5')	Soluble	Solid	300.0	131171
880-67944-25	CS25- (2.5')	Soluble	Solid	300.0	131171
MB 880-131171/1-A	Method Blank	Soluble	Solid	300.0	131171
LCS 880-131171/2-A	Lab Control Sample	Soluble	Solid	300.0	131171
LCSD 880-131171/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131171
880-67944-21 MS	CS-21 (2.5')	Soluble	Solid	300.0	131171
880-67944-21 MSD	CS-21 (2.5')	Soluble	Solid	300.0	131171

Analysis Batch: 131284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-1	CS1- (4.5')	Soluble	Solid	300.0	131169
880-67944-2	CS-2 (4.5')	Soluble	Solid	300.0	131169
880-67944-3	CS-3 (4.5')	Soluble	Solid	300.0	131169
880-67944-4	CS-4 (4.5')	Soluble	Solid	300.0	131169
880-67944-5	CS-5 (4.5')	Soluble	Solid	300.0	131169
880-67944-6	CS-6 (4.5')	Soluble	Solid	300.0	131169
880-67944-7	CS-7 (4.5')	Soluble	Solid	300.0	131169
880-67944-8	CS-8 (4.5')	Soluble	Solid	300.0	131169
880-67944-9	CS-9 (4.5')	Soluble	Solid	300.0	131169
880-67944-10	CS-10 (4.5')	Soluble	Solid	300.0	131169
880-67944-11	CS-11 (4.5')	Soluble	Solid	300.0	131169
880-67944-12	CS-12 (4.5')	Soluble	Solid	300.0	131169
880-67944-13	CS-13 (4.5')	Soluble	Solid	300.0	131169
880-67944-14	CS-14 (4.5')	Soluble	Solid	300.0	131169
880-67944-15	CS-15 (4.5')	Soluble	Solid	300.0	131169
880-67944-16	CS-16 (4.5')	Soluble	Solid	300.0	131169

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

HPLC/IC (Continued)

Analysis Batch: 131284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67944-17	CS-17 (4.5')	Soluble	Solid	300.0	131169
880-67944-18	CS-18 (4.5')	Soluble	Solid	300.0	131169
880-67944-19	CS-19 (4.5')	Soluble	Solid	300.0	131169
880-67944-20	CS-20 (4.5')	Soluble	Solid	300.0	131169
MB 880-131169/1-A	Method Blank	Soluble	Solid	300.0	131169
LCS 880-131169/2-A	Lab Control Sample	Soluble	Solid	300.0	131169
LCSD 880-131169/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131169
880-67944-1 MS	CS1- (4.5')	Soluble	Solid	300.0	131169
880-67944-1 MSD	CS1- (4.5')	Soluble	Solid	300.0	131169
880-67944-11 MS	CS-11 (4.5')	Soluble	Solid	300.0	131169
880-67944-11 MSD	CS-11 (4.5')	Soluble	Solid	300.0	131169

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS1- (4.5')

Lab Sample ID: 880-67944-1
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/09/26 23:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/09/26 23:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 03:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 03:21	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 09:45	CS	EET MID

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-67944-2
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/09/26 23:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/09/26 23:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 03:35	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 03:35	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 10:05	CS	EET MID

Client Sample ID: CS-3 (4.5')

Lab Sample ID: 880-67944-3
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/09/26 23:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/09/26 23:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 03:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 03:50	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 10:12	CS	EET MID

Client Sample ID: CS-4 (4.5')

Lab Sample ID: 880-67944-4
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 00:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 00:03	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-4 (4.5')

Lab Sample ID: 880-67944-4
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			131389	02/10/26 04:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 04:06	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 10:19	CS	EET MID

Client Sample ID: CS-5 (4.5')

Lab Sample ID: 880-67944-5
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 00:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 00:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 04:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 04:20	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 10:25	CS	EET MID

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-67944-6
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 00:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 00:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 04:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 04:50	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 10:45	CS	EET MID

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-67944-7
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 01:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 01:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 05:05	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 05:05	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-67944-7
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		5			131284	02/10/26 10:52	CS	EET MID

Client Sample ID: CS-8 (4.5')

Lab Sample ID: 880-67944-8
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 01:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 01:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 05:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 05:19	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 10:59	CS	EET MID

Client Sample ID: CS-9 (4.5')

Lab Sample ID: 880-67944-9
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 01:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 01:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 05:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 05:35	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		5			131284	02/10/26 11:05	CS	EET MID

Client Sample ID: CS-10 (4.5')

Lab Sample ID: 880-67944-10
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 02:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 02:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 05:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 05:49	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		5			131284	02/10/26 11:12	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-11 (4.5')

Lab Sample ID: 880-67944-11
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 03:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 03:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 06:04	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 06:04	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 11:19	CS	EET MID

Client Sample ID: CS-12 (4.5')

Lab Sample ID: 880-67944-12
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 04:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 04:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 06:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 06:20	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 11:39	CS	EET MID

Client Sample ID: CS-13 (4.5')

Lab Sample ID: 880-67944-13
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 04:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 04:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 06:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 06:34	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		5			131284	02/10/26 11:46	CS	EET MID

Client Sample ID: CS-14 (4.5')

Lab Sample ID: 880-67944-14
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 04:58	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-14 (4.5')

Lab Sample ID: 880-67944-14
Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			131389	02/10/26 06:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 06:48	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		5	0 mL	1.0 mL	131284	02/10/26 12:06	CS	EET MID

Client Sample ID: CS-15 (4.5')

Lab Sample ID: 880-67944-15
Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 05:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 05:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 07:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 07:02	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 12:12	CS	EET MID

Client Sample ID: CS-16 (4.5')

Lab Sample ID: 880-67944-16
Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 05:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 05:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 01:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 01:36	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		5			131284	02/10/26 12:19	CS	EET MID

Client Sample ID: CS-17 (4.5')

Lab Sample ID: 880-67944-17
Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 05:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 05:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 02:20	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 02:20	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-17 (4.5')

Lab Sample ID: 880-67944-17

Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		5			131284	02/10/26 12:26	CS	EET MID

Client Sample ID: CS-18 (4.5')

Lab Sample ID: 880-67944-18

Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 06:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 06:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 02:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 02:36	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		5	0 mL	1.0 mL	131284	02/10/26 12:32	CS	EET MID

Client Sample ID: CS-19 (4.5')

Lab Sample ID: 880-67944-19

Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 06:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 06:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 02:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 02:51	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		1			131284	02/10/26 12:39	CS	EET MID

Client Sample ID: CS-20 (4.5')

Lab Sample ID: 880-67944-20

Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	131208	02/09/26 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131164	02/10/26 07:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 07:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 03:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 03:05	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	131169	02/09/26 09:22	SA	EET MID
Soluble	Analysis	300.0		5			131284	02/10/26 12:46	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-21 (2.5')

Lab Sample ID: 880-67944-21
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 06:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 06:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 03:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 03:21	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 21:00	CS	EET MID

Client Sample ID: CS-22 (2.5')

Lab Sample ID: 880-67944-22
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 06:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 06:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 03:35	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 03:35	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 21:21	CS	EET MID

Client Sample ID: CS-23 (2.5')

Lab Sample ID: 880-67944-23
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 06:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 06:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 03:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 03:50	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 21:28	CS	EET MID

Client Sample ID: CS-24 (2.5')

Lab Sample ID: 880-67944-24
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 08:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 08:50	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Client Sample ID: CS-24 (2.5')

Lab Sample ID: 880-67944-24
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			131389	02/10/26 04:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 04:06	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 21:35	CS	EET MID

Client Sample ID: CS25- (2.5')

Lab Sample ID: 880-67944-25
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 09:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131383	02/10/26 09:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			131389	02/10/26 04:20	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 04:20	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 21:42	CS	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: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

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	06-30-26

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: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

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: Young, 8709 (02.20.19)

Job ID: 880-67944-1
SDG: 2822

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-67944-1	CS1- (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-2	CS-2 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-3	CS-3 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-4	CS-4 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-5	CS-5 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-6	CS-6 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-7	CS-7 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-8	CS-8 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-9	CS-9 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-10	CS-10 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-11	CS-11 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-12	CS-12 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-13	CS-13 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-14	CS-14 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-15	CS-15 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-16	CS-16 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-17	CS-17 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-18	CS-18 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-19	CS-19 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-20	CS-20 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-21	CS-21 (2.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-22	CS-22 (2.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-23	CS-23 (2.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-24	CS-24 (2.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67944-25	CS25- (2.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico

Released to Imaging: 4/13/2026 10:32:30 AM
Received by OCD: 3/16/2026 12:53:43 PM

Chain of Custody

880-67944 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St 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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young, 8709 (02.20.19)	Turn Around	
Project Number:	2822	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	48 hr
Sampler's Name:	JR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.0
Total Containers:		Corrected Temperature:	2.9

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-1 (4.5')	2/6/2026		X		C	1	X	X	X		
CS-2 (4.5')	2/6/2026		X		C	1	X	X	X		
CS-3 (4.5')	2/6/2026		X		C	1	X	X	X		
CS-4 (4.5')	2/6/2026		X		C	1	X	X	X		
CS-5 (4.5')	2/6/2026		X		C	1	X	X	X		
CS-6 (4.5')	2/6/2026		X		C	1	X	X	X		
CS-7 (4.5')	2/6/2026		X		C	1	X	X	X		
CS-8 (4.5')	2/6/2026		X		C	1	X	X	X		
CS-9 (4.5')	2/6/2026		X		C	1	X	X	X		
CS-10 (4.5')	2/6/2026		X		C	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2.6.26 1615		2.6.26 1615

Released to Imaging: 4/13/2026 10:32:30 AM

Received by OCD: 3/16/2026 12:53:43 PM

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St 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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young, 8709 (02.20.19)	Turn Around	
Project Number:	2822	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	48 hr
Sampler's Name:	JR		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No		Thermometer ID:		
Cooler Custody Seals:	Yes No N/A		Correction Factor:		
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	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-11 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-12 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-13 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-14 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-15 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-16 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-17 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-18 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-19 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-20 (4.5')	2/6/2026		X		C	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2.6.26 1415

Released to Imaging: 4/13/2026 10:32:30 AM
Received by OCD: 3/16/2026 12:53:43 PM

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St 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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young, 8709 (02.20.19)	Turn Around	☐ Routine ☑ Rush
Project Number:	2822	Due Date:	48 hr
Project Location	Lea County, New Mexico		
Sampler's Name:	JR		
PO #:			

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

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
CS-21 (2.5')	2/6/2026		X		C	1		X	X	X	
CS-22 (2.5')	2/6/2026		X		C	1		X	X	X	
CS-23 (2.5')	2/6/2026		X		C	1		X	X	X	
CS-24 (2.5')	2/6/2026		X		C	1		X	X	X	
CS-25 (2.5')	2/6/2026		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

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
		Brian Bynd	2.6.26 1615

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-67944-1
SDG Number: 2822

Login Number: 67944
List Number: 1
Creator: Dyal, Erica

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/10/2026 2:13:50 PM

JOB DESCRIPTION

Young, 8709 (02.20.19)
2822

JOB NUMBER

880-67943-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 4/13/2026 10:52:50 AM

my EOL

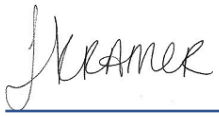
Eurofins Midland

Job Notes

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

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

Authorization



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

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Laboratory Job ID: 880-67943-1
SDG: 2822

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Eurofins Midland
2/10/2026

Definitions/Glossary

Client: Carmona Resources Job ID: 880-67943-1
Project/Site: Young, 8709 (02.20.19) SDG: 2822

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, 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: Young, 8709 (02.20.19)

Job ID: 880-67943-1

Job ID: 880-67943-1 Eurofins Midland

Job Narrative
880-67943-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/6/2026 4:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-131210 and analytical batch 880-131163 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.

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-131215/2-A) and (LCSD 880-131215/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-131215/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-67943-A-11-F MS) and (880-67943-A-11-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-11 (4.5') (880-67943-11), SW-13 (2.5') (880-67943-13), SW-14 (2.5') (880-67943-14) and SW-15 (2.5') (880-67943-15). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: SW-12 (2.5') (880-67943-12). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: SW-3 (4.5') (880-67943-3). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-2 (4.5') (880-67943-2) and (880-67942-A-11-B). Evidence of matrix interferences is not obvious.

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

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: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-1 (4.5')

Lab Sample ID: 880-67943-1
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		02/09/26 11:51	02/10/26 00:00	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		02/09/26 11:51	02/10/26 00:00	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		02/09/26 11:51	02/10/26 00:00	1
m,p-Xylenes	<0.00399	U F1	0.00399		mg/Kg		02/09/26 11:51	02/10/26 00:00	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		02/09/26 11:51	02/10/26 00:00	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		02/09/26 11:51	02/10/26 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/09/26 11:51*	*02/10/26 00:00*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*02/09/26 11:51*	*02/10/26 00:00*	*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			02/10/26 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/10/26 03:50	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	<50.4	U	50.4		mg/Kg		02/09/26 12:01	02/10/26 03:50	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/09/26 12:01	02/10/26 03:50	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/09/26 12:01	02/10/26 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*02/09/26 12:01*	*02/10/26 03:50*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*02/09/26 12:01*	*02/10/26 03:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.4**		9.90		mg/Kg			02/09/26 17:34	1

Client Sample ID: SW-2 (4.5')

Lab Sample ID: 880-67943-2
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 00:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 00:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 00:21	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/09/26 11:51	02/10/26 00:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 00:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/09/26 11:51	02/10/26 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/09/26 11:51*	*02/10/26 00:21*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/09/26 11:51*	*02/10/26 00:21*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-2 (4.5')

Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Lab Sample ID: 880-67943-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/26 00:21	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			02/10/26 04:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/09/26 12:01	02/10/26 04:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/26 12:01	02/10/26 04:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/26 12:01	02/10/26 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*122*		*70 - 130*	*02/09/26 12:01*	*02/10/26 04:05*	*1*
o-Terphenyl (Surr)	*134*	*S1+*	*70 - 130*	*02/09/26 12:01*	*02/10/26 04:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.4**		10.1		mg/Kg			02/09/26 17:54	1

Client Sample ID: SW-3 (4.5')

Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Lab Sample ID: 880-67943-3
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		02/09/26 11:51	02/10/26 00:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:51	02/10/26 00:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:51	02/10/26 00:42	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/09/26 11:51	02/10/26 00:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:51	02/10/26 00:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/09/26 11:51	02/10/26 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/09/26 11:51*	*02/10/26 00:42*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*02/09/26 11:51*	*02/10/26 00:42*	*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			02/10/26 00:42	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			02/10/26 04:19	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		02/09/26 12:01	02/10/26 04:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/26 12:01	02/10/26 04:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-3 (4.5')

Lab Sample ID: 880-67943-3
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:01	02/10/26 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*138*	*S1+*	*70 - 130*	*02/09/26 12:01*	*02/10/26 04:19*	*1*
o-Terphenyl (Surr)	*141*	*S1+*	*70 - 130*	*02/09/26 12:01*	*02/10/26 04:19*	*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			02/09/26 18:01	1

Client Sample ID: SW-4 (4.5')

Lab Sample ID: 880-67943-4
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 01:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 01:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 01:02	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/09/26 11:51	02/10/26 01:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 01:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/26 11:51	02/10/26 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/09/26 11:51*	*02/10/26 01:02*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/09/26 11:51*	*02/10/26 01:02*	*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			02/10/26 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/10/26 04:33	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		02/09/26 12:01	02/10/26 04:33	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/09/26 12:01	02/10/26 04:33	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/09/26 12:01	02/10/26 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*02/09/26 12:01*	*02/10/26 04:33*	*1*
o-Terphenyl (Surr)	*114*		*70 - 130*	*02/09/26 12:01*	*02/10/26 04:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.4**		9.92		mg/Kg			02/09/26 18:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-5 (4.5')

Lab Sample ID: 880-67943-5
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 01:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/09/26 11:51	02/10/26 01:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/09/26 11:51	02/10/26 01:23	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/09/26 11:51	02/10/26 01:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/09/26 11:51	02/10/26 01:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/09/26 11:51	02/10/26 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/09/26 11:51*	*02/10/26 01:23*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*02/09/26 11:51*	*02/10/26 01:23*	*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			02/10/26 01:23	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			02/10/26 04:48	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	<49.6	U	49.6		mg/Kg		02/09/26 12:01	02/10/26 04:48	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/26 12:01	02/10/26 04:48	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/26 12:01	02/10/26 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*02/09/26 12:01*	*02/10/26 04:48*	*1*
o-Terphenyl (Surr)	*124*		*70 - 130*	*02/09/26 12:01*	*02/10/26 04:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.1**		9.98		mg/Kg			02/09/26 18:15	1

Client Sample ID: SW-6 (4.5')

Lab Sample ID: 880-67943-6
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 01:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 01:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 01:43	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/09/26 11:51	02/10/26 01:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 01:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/09/26 11:51	02/10/26 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*02/09/26 11:51*	*02/10/26 01:43*	*1*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*	*02/09/26 11:51*	*02/10/26 01:43*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-6 (4.5')

Lab Sample ID: 880-67943-6
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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			02/10/26 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/10/26 05:01	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	<50.0	U	50.0		mg/Kg		02/09/26 12:01	02/10/26 05:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/26 12:01	02/10/26 05:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/26 12:01	02/10/26 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*02/09/26 12:01*	*02/10/26 05:01*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*02/09/26 12:01*	*02/10/26 05:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.8**		10.0		mg/Kg			02/09/26 18:36	1

Client Sample ID: SW-7 (4.5')

Lab Sample ID: 880-67943-7
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 02:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 02:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 02:04	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/09/26 11:51	02/10/26 02:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 02:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/09/26 11:51	02/10/26 02:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/09/26 11:51*	*02/10/26 02:04*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*02/09/26 11:51*	*02/10/26 02:04*	*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			02/10/26 02:04	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			02/10/26 05:15	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		02/09/26 12:01	02/10/26 05:15	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/09/26 12:01	02/10/26 05:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-7 (4.5')

Lab Sample ID: 880-67943-7
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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)	<50.3	U	50.3		mg/Kg		02/09/26 12:01	02/10/26 05:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*117*		*70 - 130*	*02/09/26 12:01*	*02/10/26 05:15*	*1*
o-Terphenyl (Surr)	*126*		*70 - 130*	*02/09/26 12:01*	*02/10/26 05:15*	*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			02/09/26 18:43	1

Client Sample ID: SW-8 (4.5')

Lab Sample ID: 880-67943-8
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 02:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 02:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 02:25	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/09/26 11:51	02/10/26 02:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 02:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/09/26 11:51	02/10/26 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/09/26 11:51*	*02/10/26 02:25*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/09/26 11:51*	*02/10/26 02:25*	*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			02/10/26 02:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/10/26 05:30	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	<49.7	U	49.7		mg/Kg		02/09/26 12:01	02/10/26 05:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/09/26 12:01	02/10/26 05:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/09/26 12:01	02/10/26 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*117*		*70 - 130*	*02/09/26 12:01*	*02/10/26 05:30*	*1*
o-Terphenyl (Surr)	*129*		*70 - 130*	*02/09/26 12:01*	*02/10/26 05:30*	*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			02/09/26 18:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-9 (4.5')

Lab Sample ID: 880-67943-9
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 02:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 02:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 02:45	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/09/26 11:51	02/10/26 02:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 02:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/26 11:51	02/10/26 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/09/26 11:51*	*02/10/26 02:45*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/09/26 11:51*	*02/10/26 02:45*	*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			02/10/26 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/10/26 05:43	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	<50.2	U	50.2		mg/Kg		02/09/26 12:01	02/10/26 05:43	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/09/26 12:01	02/10/26 05:43	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/09/26 12:01	02/10/26 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*02/09/26 12:01*	*02/10/26 05:43*	*1*
o-Terphenyl (Surr)	*127*		*70 - 130*	*02/09/26 12:01*	*02/10/26 05:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			02/09/26 18:56	1

Client Sample ID: SW-10 (4.5')

Lab Sample ID: 880-67943-10
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 03:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 03:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 03:06	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/09/26 11:51	02/10/26 03:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 03:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/09/26 11:51	02/10/26 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/09/26 11:51*	*02/10/26 03:06*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*02/09/26 11:51*	*02/10/26 03:06*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-10 (4.5')

Lab Sample ID: 880-67943-10
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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			02/10/26 03:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/10/26 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	<49.9	U	49.9		mg/Kg		02/09/26 12:01	02/10/26 05:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/26 12:01	02/10/26 05:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:01	02/10/26 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*02/09/26 12:01*	*02/10/26 05:58*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*02/09/26 12:01*	*02/10/26 05:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.4**		10.1		mg/Kg			02/09/26 19:03	1

Client Sample ID: SW-11 (4.5')

Lab Sample ID: 880-67943-11
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 04:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 04:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 04:29	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/09/26 11:51	02/10/26 04:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/09/26 11:51	02/10/26 04:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/09/26 11:51	02/10/26 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/09/26 11:51*	*02/10/26 04:29*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/09/26 11:51*	*02/10/26 04:29*	*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			02/10/26 04:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/10/26 01:36	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		02/09/26 12:08	02/10/26 01:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 01:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-11 (4.5')

Lab Sample ID: 880-67943-11
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*132*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 01:36*	*1*
o-Terphenyl (Surr)	*149*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 01:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.6**		9.94		mg/Kg			02/09/26 19:10	1

Client Sample ID: SW-12 (2.5')

Lab Sample ID: 880-67943-12
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 04:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:51	02/10/26 04:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:51	02/10/26 04:49	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/09/26 11:51	02/10/26 04:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/09/26 11:51	02/10/26 04:49	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/09/26 11:51	02/10/26 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/09/26 11:51*	*02/10/26 04:49*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*02/09/26 11:51*	*02/10/26 04:49*	*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			02/10/26 04:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/10/26 02:20	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		02/09/26 12:08	02/10/26 02:20	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/09/26 12:08	02/10/26 02:20	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/09/26 12:08	02/10/26 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*129*		*70 - 130*	*02/09/26 12:08*	*02/10/26 02:20*	*1*
o-Terphenyl (Surr)	*150*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 02:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**148**		9.92		mg/Kg			02/09/26 19:31	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-13 (2.5')

Lab Sample ID: 880-67943-13
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 05:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 05:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 05:10	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/09/26 11:51	02/10/26 05:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/26 11:51	02/10/26 05:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/26 11:51	02/10/26 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/09/26 11:51*	*02/10/26 05:10*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/09/26 11:51*	*02/10/26 05:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/26 05:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/10/26 02:36	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	<49.7	U	49.7		mg/Kg		02/09/26 12:08	02/10/26 02:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/09/26 12:08	02/10/26 02:36	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/09/26 12:08	02/10/26 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*139*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 02:36*	*1*
o-Terphenyl (Surr)	*159*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 02:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**169**		9.98		mg/Kg			02/09/26 19:38	1

Client Sample ID: SW-14 (2.5')

Lab Sample ID: 880-67943-14
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 05:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/09/26 11:51	02/10/26 05:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/09/26 11:51	02/10/26 05:30	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/09/26 11:51	02/10/26 05:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/09/26 11:51	02/10/26 05:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/09/26 11:51	02/10/26 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/09/26 11:51*	*02/10/26 05:30*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/09/26 11:51*	*02/10/26 05:30*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-14 (2.5')

Lab Sample ID: 880-67943-14
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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			02/10/26 05:30	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			02/10/26 02:51	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		02/09/26 12:08	02/10/26 02:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/09/26 12:08	02/10/26 02:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/09/26 12:08	02/10/26 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*145*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 02:51*	*1*
o-Terphenyl (Surr)	*173*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 02:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.8**		9.96		mg/Kg			02/09/26 19:58	1

Client Sample ID: SW-15 (2.5')

Lab Sample ID: 880-67943-15
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 11:51	02/10/26 05:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 05:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 05:51	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/09/26 11:51	02/10/26 05:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/10/26 05:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/26 11:51	02/10/26 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/09/26 11:51*	*02/10/26 05:51*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*02/09/26 11:51*	*02/10/26 05:51*	*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			02/10/26 05:51	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			02/10/26 03:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 03:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 03:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-15 (2.5')
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Lab Sample ID: 880-67943-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:08	02/10/26 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*136*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 03:05*	*1*
o-Terphenyl (Surr)	*160*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 03:05*	*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			02/09/26 20:05	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-67943-1	SW-1 (4.5')	107	112
880-67943-1 MS	SW-1 (4.5')	97	91
880-67943-1 MSD	SW-1 (4.5')	102	116
880-67943-2	SW-2 (4.5')	106	113
880-67943-3	SW-3 (4.5')	111	117
880-67943-4	SW-4 (4.5')	102	113
880-67943-5	SW-5 (4.5')	102	112
880-67943-6	SW-6 (4.5')	114	130
880-67943-7	SW-7 (4.5')	106	116
880-67943-8	SW-8 (4.5')	109	105
880-67943-9	SW-9 (4.5')	106	101
880-67943-10	SW-10 (4.5')	105	115
880-67943-11	SW-11 (4.5')	104	110
880-67943-12	SW-12 (2.5')	107	114
880-67943-13	SW-13 (2.5')	103	111
880-67943-14	SW-14 (2.5')	105	113
880-67943-15	SW-15 (2.5')	105	118
LCS 880-131210/1-A	Lab Control Sample	102	110
LCSD 880-131210/2-A	Lab Control Sample Dup	103	108
MB 880-130949/5-A	Method Blank	98	109
MB 880-131210/5-A	Method Blank	99	113

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-67942-A-11-C MS	Matrix Spike	117	120
880-67942-A-11-D MSD	Matrix Spike Duplicate	117	121
880-67943-1	SW-1 (4.5')	108	120
880-67943-2	SW-2 (4.5')	122	134 S1+
880-67943-3	SW-3 (4.5')	138 S1+	141 S1+
880-67943-4	SW-4 (4.5')	110	114
880-67943-5	SW-5 (4.5')	113	124
880-67943-6	SW-6 (4.5')	115	121
880-67943-7	SW-7 (4.5')	117	126
880-67943-8	SW-8 (4.5')	117	129
880-67943-9	SW-9 (4.5')	115	127
880-67943-10	SW-10 (4.5')	112	120
880-67943-11	SW-11 (4.5')	132 S1+	149 S1+
880-67943-11 MS	SW-11 (4.5')	127	150 S1+
880-67943-11 MSD	SW-11 (4.5')	128	149 S1+
880-67943-12	SW-12 (2.5')	129	150 S1+
880-67943-13	SW-13 (2.5')	139 S1+	159 S1+
880-67943-14	SW-14 (2.5')	145 S1+	173 S1+

Surrogate Summary

Client: Carmona Resources Job ID: 880-67943-1
Project/Site: Young, 8709 (02.20.19) SDG: 2822

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)										
880-67943-15	SW-15 (2.5')	136 S1+	160 S1+										
LCS 880-131213/2-A	Lab Control Sample	127	122										
LCS 880-131215/2-A	Lab Control Sample	167 S1+	151 S1+										
LCSD 880-131213/3-A	Lab Control Sample Dup	127	123										
LCSD 880-131215/3-A	Lab Control Sample Dup	169 S1+	153 S1+										
MB 880-131213/1-A	Method Blank	98	115										
MB 880-131215/1-A	Method Blank	128	142 S1+										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-130949/5-A
Matrix: Solid
Analysis Batch: 131163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 130949

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:56	02/09/26 12:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:56	02/09/26 12:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:56	02/09/26 12:28	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/05/26 12:56	02/09/26 12:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/26 12:56	02/09/26 12:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/26 12:56	02/09/26 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/05/26 12:56*	*02/09/26 12:28*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/05/26 12:56*	*02/09/26 12:28*	*1*

Lab Sample ID: MB 880-131210/5-A
Matrix: Solid
Analysis Batch: 131163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/09/26 23:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/09/26 23:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/09/26 23:39	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/09/26 11:51	02/09/26 23:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 11:51	02/09/26 23:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/26 11:51	02/09/26 23:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/09/26 11:51*	*02/09/26 23:39*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/09/26 11:51*	*02/09/26 23:39*	*1*

Lab Sample ID: LCS 880-131210/1-A
Matrix: Solid
Analysis Batch: 131163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131210

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09321		mg/Kg		93	70 - 130		
Toluene			0.100	0.08657		mg/Kg		87	70 - 130		
Ethylbenzene			0.100	0.09065		mg/Kg		91	70 - 130		
m,p-Xylenes			0.200	0.1763		mg/Kg		88	70 - 130		
o-Xylene			0.100	0.08492		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-131210/2-A
Matrix: Solid
Analysis Batch: 131163

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131210

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09951		mg/Kg		100	70 - 130	7	35

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

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

Lab Sample ID: LCSD 880-131210/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131163 — **Prep Batch: 131210**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09190		mg/Kg		92	70 - 130	6	35
Ethylbenzene			0.100	0.09809		mg/Kg		98	70 - 130	8	35
m,p-Xylenes			0.200	0.1880		mg/Kg		94	70 - 130	6	35
o-Xylene			0.100	0.09064		mg/Kg		91	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-67943-1 MS — **Client Sample ID: SW-1 (4.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131163 — **Prep Batch: 131210**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.100	0.05866	F1	mg/Kg		59	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.05259	F1	mg/Kg		53	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.06466	F1	mg/Kg		65	70 - 130
m,p-Xylenes	<0.00399	U F1	0.200	0.1258	F1	mg/Kg		63	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.05956	F1	mg/Kg		60	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 880-67943-1 MSD — **Client Sample ID: SW-1 (4.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131163 — **Prep Batch: 131210**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.09244	F2	mg/Kg		92	70 - 130	45	35
Toluene	<0.00200	U F1 F2	0.100	0.08041	F2	mg/Kg		80	70 - 130	42	35
Ethylbenzene	<0.00200	U F1	0.100	0.08920		mg/Kg		89	70 - 130	32	35
m,p-Xylenes	<0.00399	U F1	0.200	0.1667		mg/Kg		83	70 - 130	28	35
o-Xylene	<0.00200	U F1	0.100	0.08418		mg/Kg		84	70 - 130	34	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

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

Lab Sample ID: MB 880-131213/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131179 — **Prep Batch: 131213**

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		02/09/26 12:01	02/09/26 23:51	1

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

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

Lab Sample ID: MB 880-131213/1-A
Matrix: Solid
Analysis Batch: 131179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131213

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		02/09/26 12:01	02/09/26 23:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/26 12:01	02/09/26 23:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*02/09/26 12:01*	*02/09/26 23:51*	*1*
o-Terphenyl (Surr)	*115*		*70 - 130*	*02/09/26 12:01*	*02/09/26 23:51*	*1*

Lab Sample ID: LCS 880-131213/2-A
Matrix: Solid
Analysis Batch: 131179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131213

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	984.0		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	826.9		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*127*		*70 - 130*
o-Terphenyl (Surr)	*122*		*70 - 130*

Lab Sample ID: LCSD 880-131213/3-A
Matrix: Solid
Analysis Batch: 131179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131213

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	964.2		mg/Kg		96	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	865.2		mg/Kg		87	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*127*		*70 - 130*
o-Terphenyl (Surr)	*123*		*70 - 130*

Lab Sample ID: 880-67942-A-11-C MS
Matrix: Solid
Analysis Batch: 131179

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131213

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	996	841.5		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	996	773.4		mg/Kg		78	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*117*		*70 - 130*
o-Terphenyl (Surr)	*120*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

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

Lab Sample ID: 880-67942-A-11-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131179 — **Prep Batch: 131213**

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	996	855.9		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	996	756.3		mg/Kg		76	70 - 130	2	20

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

Lab Sample ID: MB 880-131215/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131189 — **Prep Batch: 131215**

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		02/09/26 12:08	02/10/26 00:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 00:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/26 12:08	02/10/26 00:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*128*		*70 - 130*	*02/09/26 12:08*	*02/10/26 00:36*	*1*
o-Terphenyl (Surr)	*142*	*S1+*	*70 - 130*	*02/09/26 12:08*	*02/10/26 00:36*	*1*

Lab Sample ID: LCS 880-131215/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131189 — **Prep Batch: 131215**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1145		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1105		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*167*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*151*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-131215/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 131189 — **Prep Batch: 131215**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1162		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1130		mg/Kg		113	70 - 130	2	20

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

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

Lab Sample ID: LCSD 880-131215/3-A
Matrix: Solid
Analysis Batch: 131189

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131215

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	169	S1+	70 - 130
o-Terphenyl (Surr)	153	S1+	70 - 130

Lab Sample ID: 880-67943-11 MS
Matrix: Solid
Analysis Batch: 131189

Client Sample ID: SW-11 (4.5')
Prep Type: Total/NA
Prep Batch: 131215

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	1014		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1078		mg/Kg		108	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	127		70 - 130
o-Terphenyl (Surr)	150	S1+	70 - 130

Lab Sample ID: 880-67943-11 MSD
Matrix: Solid
Analysis Batch: 131189

Client Sample ID: SW-11 (4.5')
Prep Type: Total/NA
Prep Batch: 131215

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	1040		mg/Kg		104	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1094		mg/Kg		110	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	128		70 - 130
o-Terphenyl (Surr)	149	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-131167/1-A
Matrix: Solid
Analysis Batch: 131198

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			02/09/26 17:13	1

Lab Sample ID: LCS 880-131167/2-A
Matrix: Solid
Analysis Batch: 131198

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.7		mg/Kg		93	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-131167/3-A
Matrix: Solid
Analysis Batch: 131198

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	235.8		mg/Kg		94	90 - 110	2	20

Lab Sample ID: 880-67943-1 MS
Matrix: Solid
Analysis Batch: 131198

Client Sample ID: SW-1 (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	76.4		248	317.6		mg/Kg		97	90 - 110		

Lab Sample ID: 880-67943-1 MSD
Matrix: Solid
Analysis Batch: 131198

Client Sample ID: SW-1 (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	76.4		248	318.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-67943-11 MS
Matrix: Solid
Analysis Batch: 131198

Client Sample ID: SW-11 (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	46.6		249	290.3		mg/Kg		98	90 - 110		

Lab Sample ID: 880-67943-11 MSD
Matrix: Solid
Analysis Batch: 131198

Client Sample ID: SW-11 (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46.6		249	291.9		mg/Kg		99	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

GC VOA

Prep Batch: 130949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-130949/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 131163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67943-1	SW-1 (4.5')	Total/NA	Solid	8021B	131210
880-67943-2	SW-2 (4.5')	Total/NA	Solid	8021B	131210
880-67943-3	SW-3 (4.5')	Total/NA	Solid	8021B	131210
880-67943-4	SW-4 (4.5')	Total/NA	Solid	8021B	131210
880-67943-5	SW-5 (4.5')	Total/NA	Solid	8021B	131210
880-67943-6	SW-6 (4.5')	Total/NA	Solid	8021B	131210
880-67943-7	SW-7 (4.5')	Total/NA	Solid	8021B	131210
880-67943-8	SW-8 (4.5')	Total/NA	Solid	8021B	131210
880-67943-9	SW-9 (4.5')	Total/NA	Solid	8021B	131210
880-67943-10	SW-10 (4.5')	Total/NA	Solid	8021B	131210
880-67943-11	SW-11 (4.5')	Total/NA	Solid	8021B	131210
880-67943-12	SW-12 (2.5')	Total/NA	Solid	8021B	131210
880-67943-13	SW-13 (2.5')	Total/NA	Solid	8021B	131210
880-67943-14	SW-14 (2.5')	Total/NA	Solid	8021B	131210
880-67943-15	SW-15 (2.5')	Total/NA	Solid	8021B	131210
MB 880-130949/5-A	Method Blank	Total/NA	Solid	8021B	130949
MB 880-131210/5-A	Method Blank	Total/NA	Solid	8021B	131210
LCS 880-131210/1-A	Lab Control Sample	Total/NA	Solid	8021B	131210
LCSD 880-131210/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131210
880-67943-1 MS	SW-1 (4.5')	Total/NA	Solid	8021B	131210
880-67943-1 MSD	SW-1 (4.5')	Total/NA	Solid	8021B	131210

Prep Batch: 131210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67943-1	SW-1 (4.5')	Total/NA	Solid	5035	
880-67943-2	SW-2 (4.5')	Total/NA	Solid	5035	
880-67943-3	SW-3 (4.5')	Total/NA	Solid	5035	
880-67943-4	SW-4 (4.5')	Total/NA	Solid	5035	
880-67943-5	SW-5 (4.5')	Total/NA	Solid	5035	
880-67943-6	SW-6 (4.5')	Total/NA	Solid	5035	
880-67943-7	SW-7 (4.5')	Total/NA	Solid	5035	
880-67943-8	SW-8 (4.5')	Total/NA	Solid	5035	
880-67943-9	SW-9 (4.5')	Total/NA	Solid	5035	
880-67943-10	SW-10 (4.5')	Total/NA	Solid	5035	
880-67943-11	SW-11 (4.5')	Total/NA	Solid	5035	
880-67943-12	SW-12 (2.5')	Total/NA	Solid	5035	
880-67943-13	SW-13 (2.5')	Total/NA	Solid	5035	
880-67943-14	SW-14 (2.5')	Total/NA	Solid	5035	
880-67943-15	SW-15 (2.5')	Total/NA	Solid	5035	
MB 880-131210/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131210/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131210/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67943-1 MS	SW-1 (4.5')	Total/NA	Solid	5035	
880-67943-1 MSD	SW-1 (4.5')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

GC VOA

Analysis Batch: 131382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67943-1	SW-1 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-2	SW-2 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-3	SW-3 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-4	SW-4 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-5	SW-5 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-6	SW-6 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-7	SW-7 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-8	SW-8 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-9	SW-9 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-10	SW-10 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-11	SW-11 (4.5')	Total/NA	Solid	Total BTEX	
880-67943-12	SW-12 (2.5')	Total/NA	Solid	Total BTEX	
880-67943-13	SW-13 (2.5')	Total/NA	Solid	Total BTEX	
880-67943-14	SW-14 (2.5')	Total/NA	Solid	Total BTEX	
880-67943-15	SW-15 (2.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 131179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67943-1	SW-1 (4.5')	Total/NA	Solid	8015B NM	131213
880-67943-2	SW-2 (4.5')	Total/NA	Solid	8015B NM	131213
880-67943-3	SW-3 (4.5')	Total/NA	Solid	8015B NM	131213
880-67943-4	SW-4 (4.5')	Total/NA	Solid	8015B NM	131213
880-67943-5	SW-5 (4.5')	Total/NA	Solid	8015B NM	131213
880-67943-6	SW-6 (4.5')	Total/NA	Solid	8015B NM	131213
880-67943-7	SW-7 (4.5')	Total/NA	Solid	8015B NM	131213
880-67943-8	SW-8 (4.5')	Total/NA	Solid	8015B NM	131213
880-67943-9	SW-9 (4.5')	Total/NA	Solid	8015B NM	131213
880-67943-10	SW-10 (4.5')	Total/NA	Solid	8015B NM	131213
MB 880-131213/1-A	Method Blank	Total/NA	Solid	8015B NM	131213
LCS 880-131213/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131213
LCSD 880-131213/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131213
880-67942-A-11-C MS	Matrix Spike	Total/NA	Solid	8015B NM	131213
880-67942-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131213

Analysis Batch: 131189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67943-11	SW-11 (4.5')	Total/NA	Solid	8015B NM	131215
880-67943-12	SW-12 (2.5')	Total/NA	Solid	8015B NM	131215
880-67943-13	SW-13 (2.5')	Total/NA	Solid	8015B NM	131215
880-67943-14	SW-14 (2.5')	Total/NA	Solid	8015B NM	131215
880-67943-15	SW-15 (2.5')	Total/NA	Solid	8015B NM	131215
MB 880-131215/1-A	Method Blank	Total/NA	Solid	8015B NM	131215
LCS 880-131215/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131215
LCSD 880-131215/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131215
880-67943-11 MS	SW-11 (4.5')	Total/NA	Solid	8015B NM	131215
880-67943-11 MSD	SW-11 (4.5')	Total/NA	Solid	8015B NM	131215

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

GC Semi VOA

Prep Batch: 131213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67943-1	SW-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-2	SW-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-3	SW-3 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-4	SW-4 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-5	SW-5 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-6	SW-6 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-7	SW-7 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-8	SW-8 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-9	SW-9 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-10	SW-10 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-131213/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131213/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131213/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67942-A-11-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67942-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 131215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67943-11	SW-11 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-12	SW-12 (2.5')	Total/NA	Solid	8015NM Prep	
880-67943-13	SW-13 (2.5')	Total/NA	Solid	8015NM Prep	
880-67943-14	SW-14 (2.5')	Total/NA	Solid	8015NM Prep	
880-67943-15	SW-15 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-131215/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131215/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131215/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67943-11 MS	SW-11 (4.5')	Total/NA	Solid	8015NM Prep	
880-67943-11 MSD	SW-11 (4.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 131388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67943-1	SW-1 (4.5')	Total/NA	Solid	8015 NM	
880-67943-2	SW-2 (4.5')	Total/NA	Solid	8015 NM	
880-67943-3	SW-3 (4.5')	Total/NA	Solid	8015 NM	
880-67943-4	SW-4 (4.5')	Total/NA	Solid	8015 NM	
880-67943-5	SW-5 (4.5')	Total/NA	Solid	8015 NM	
880-67943-6	SW-6 (4.5')	Total/NA	Solid	8015 NM	
880-67943-7	SW-7 (4.5')	Total/NA	Solid	8015 NM	
880-67943-8	SW-8 (4.5')	Total/NA	Solid	8015 NM	
880-67943-9	SW-9 (4.5')	Total/NA	Solid	8015 NM	
880-67943-10	SW-10 (4.5')	Total/NA	Solid	8015 NM	
880-67943-11	SW-11 (4.5')	Total/NA	Solid	8015 NM	
880-67943-12	SW-12 (2.5')	Total/NA	Solid	8015 NM	
880-67943-13	SW-13 (2.5')	Total/NA	Solid	8015 NM	
880-67943-14	SW-14 (2.5')	Total/NA	Solid	8015 NM	
880-67943-15	SW-15 (2.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

HPLC/IC

Leach Batch: 131167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67943-1	SW-1 (4.5')	Soluble	Solid	DI Leach	
880-67943-2	SW-2 (4.5')	Soluble	Solid	DI Leach	
880-67943-3	SW-3 (4.5')	Soluble	Solid	DI Leach	
880-67943-4	SW-4 (4.5')	Soluble	Solid	DI Leach	
880-67943-5	SW-5 (4.5')	Soluble	Solid	DI Leach	
880-67943-6	SW-6 (4.5')	Soluble	Solid	DI Leach	
880-67943-7	SW-7 (4.5')	Soluble	Solid	DI Leach	
880-67943-8	SW-8 (4.5')	Soluble	Solid	DI Leach	
880-67943-9	SW-9 (4.5')	Soluble	Solid	DI Leach	
880-67943-10	SW-10 (4.5')	Soluble	Solid	DI Leach	
880-67943-11	SW-11 (4.5')	Soluble	Solid	DI Leach	
880-67943-12	SW-12 (2.5')	Soluble	Solid	DI Leach	
880-67943-13	SW-13 (2.5')	Soluble	Solid	DI Leach	
880-67943-14	SW-14 (2.5')	Soluble	Solid	DI Leach	
880-67943-15	SW-15 (2.5')	Soluble	Solid	DI Leach	
MB 880-131167/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131167/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131167/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67943-1 MS	SW-1 (4.5')	Soluble	Solid	DI Leach	
880-67943-1 MSD	SW-1 (4.5')	Soluble	Solid	DI Leach	
880-67943-11 MS	SW-11 (4.5')	Soluble	Solid	DI Leach	
880-67943-11 MSD	SW-11 (4.5')	Soluble	Solid	DI Leach	

Analysis Batch: 131198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67943-1	SW-1 (4.5')	Soluble	Solid	300.0	131167
880-67943-2	SW-2 (4.5')	Soluble	Solid	300.0	131167
880-67943-3	SW-3 (4.5')	Soluble	Solid	300.0	131167
880-67943-4	SW-4 (4.5')	Soluble	Solid	300.0	131167
880-67943-5	SW-5 (4.5')	Soluble	Solid	300.0	131167
880-67943-6	SW-6 (4.5')	Soluble	Solid	300.0	131167
880-67943-7	SW-7 (4.5')	Soluble	Solid	300.0	131167
880-67943-8	SW-8 (4.5')	Soluble	Solid	300.0	131167
880-67943-9	SW-9 (4.5')	Soluble	Solid	300.0	131167
880-67943-10	SW-10 (4.5')	Soluble	Solid	300.0	131167
880-67943-11	SW-11 (4.5')	Soluble	Solid	300.0	131167
880-67943-12	SW-12 (2.5')	Soluble	Solid	300.0	131167
880-67943-13	SW-13 (2.5')	Soluble	Solid	300.0	131167
880-67943-14	SW-14 (2.5')	Soluble	Solid	300.0	131167
880-67943-15	SW-15 (2.5')	Soluble	Solid	300.0	131167
MB 880-131167/1-A	Method Blank	Soluble	Solid	300.0	131167
LCS 880-131167/2-A	Lab Control Sample	Soluble	Solid	300.0	131167
LCSD 880-131167/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131167
880-67943-1 MS	SW-1 (4.5')	Soluble	Solid	300.0	131167
880-67943-1 MSD	SW-1 (4.5')	Soluble	Solid	300.0	131167
880-67943-11 MS	SW-11 (4.5')	Soluble	Solid	300.0	131167
880-67943-11 MSD	SW-11 (4.5')	Soluble	Solid	300.0	131167

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-1 (4.5')

Lab Sample ID: 880-67943-1
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 00:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 00:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 03:50	SA	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10.00 mL	131213	02/09/26 12:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131179	02/10/26 03:50	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 17:34	CS	EET MID

Client Sample ID: SW-2 (4.5')

Lab Sample ID: 880-67943-2
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 00:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 00:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 04:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131213	02/09/26 12:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131179	02/10/26 04:05	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 17:54	CS	EET MID

Client Sample ID: SW-3 (4.5')

Lab Sample ID: 880-67943-3
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 00:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 00:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 04:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131213	02/09/26 12:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131179	02/10/26 04:19	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 18:01	CS	EET MID

Client Sample ID: SW-4 (4.5')

Lab Sample ID: 880-67943-4
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 01:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 01:02	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-4 (4.5')

Lab Sample ID: 880-67943-4
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			131388	02/10/26 04:33	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	131213	02/09/26 12:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131179	02/10/26 04:33	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 18:08	CS	EET MID

Client Sample ID: SW-5 (4.5')

Lab Sample ID: 880-67943-5
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 01:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 01:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 04:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131213	02/09/26 12:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131179	02/10/26 04:48	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 18:15	CS	EET MID

Client Sample ID: SW-6 (4.5')

Lab Sample ID: 880-67943-6
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 01:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 01:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 05:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	131213	02/09/26 12:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131179	02/10/26 05:01	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 18:36	CS	EET MID

Client Sample ID: SW-7 (4.5')

Lab Sample ID: 880-67943-7
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 02:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 02:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 05:15	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	131213	02/09/26 12:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131179	02/10/26 05:15	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-7 (4.5')

Lab Sample ID: 880-67943-7
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 18:43	CS	EET MID

Client Sample ID: SW-8 (4.5')

Lab Sample ID: 880-67943-8
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 02:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 02:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 05:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	131213	02/09/26 12:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131179	02/10/26 05:30	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 18:49	CS	EET MID

Client Sample ID: SW-9 (4.5')

Lab Sample ID: 880-67943-9
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 02:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 02:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 05:43	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	131213	02/09/26 12:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131179	02/10/26 05:43	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 18:56	CS	EET MID

Client Sample ID: SW-10 (4.5')

Lab Sample ID: 880-67943-10
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 03:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 03:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 05:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131213	02/09/26 12:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131179	02/10/26 05:58	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 19:03	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-11 (4.5')

Lab Sample ID: 880-67943-11
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 04:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 04:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 01:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 01:36	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 19:10	CS	EET MID

Client Sample ID: SW-12 (2.5')

Lab Sample ID: 880-67943-12
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 04:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 04:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 02:20	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 02:20	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 19:31	CS	EET MID

Client Sample ID: SW-13 (2.5')

Lab Sample ID: 880-67943-13
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 05:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 05:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 02:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 02:36	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 19:38	CS	EET MID

Client Sample ID: SW-14 (2.5')

Lab Sample ID: 880-67943-14
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 05:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 05:30	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Client Sample ID: SW-14 (2.5')

Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Lab Sample ID: 880-67943-14
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			131388	02/10/26 02:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 02:51	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 19:58	CS	EET MID

Client Sample ID: SW-15 (2.5')

Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Lab Sample ID: 880-67943-15
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			5.00 g	5 mL	131210	02/09/26 11:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131163	02/10/26 05:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131382	02/10/26 05:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			131388	02/10/26 03:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131215	02/09/26 12:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131189	02/10/26 03:05	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	131167	02/09/26 09:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	131198	02/09/26 20:05	CS	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: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

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	06-30-26

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: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

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: Young, 8709 (02.20.19)

Job ID: 880-67943-1
SDG: 2822

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-67943-1	SW-1 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-2	SW-2 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-3	SW-3 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-4	SW-4 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-5	SW-5 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-6	SW-6 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-7	SW-7 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-8	SW-8 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-9	SW-9 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-10	SW-10 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-11	SW-11 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-12	SW-12 (2.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-13	SW-13 (2.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-14	SW-14 (2.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67943-15	SW-15 (2.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico

Released to Imaging: 4/13/2026 10:32:30 AM

Received by OCD: 3/16/2026 12:53:43 PM

Chain of Custody

880-67943 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St 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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young, 8709 (02.20.19)	Turn Around	
Project Number:	2822	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	48 hr
Sampler's Name:	JR		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	188
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.0
Total Containers:		Corrected Temperature:	2.9

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW-1 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-2 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-3 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-4 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-5 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-6 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-7 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-8 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-9 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-10 (4.5')	2/6/2026		X		C	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2.6.26 16:15

Released to Imaging: 4/13/2026 10:32:30 AM
Received by OCD: 3/16/2026 12:53:43 PM

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St 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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young, 8709 (02.20.19)	Turn Around	☐ Routine ☑ Rush
Project Number:	2822	Due Date:	48 hr
Project Location	Lea County, New Mexico		
Sampler's Name:	JR		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	
Total Containers:		Corrected Temperature:	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
SW-11 (4.5')	2/6/2026		X		C	1		X	X	X	
SW-12 (2.5')	2/6/2026		X		C	1		X	X	X	
SW-13 (2.5')	2/6/2026		X		C	1		X	X	X	
SW-14 (2.5')	2/6/2026		X		C	1		X	X	X	
SW-15 (2.5')	2/6/2026		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

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2-26-26 11:45

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-67943-1
SDG Number: 2822

Login Number: 67943
List Number: 1
Creator: Dyal, Erica

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/10/2026 3:03:03 PM

JOB DESCRIPTION

Young #1 TB (11.10.22)
2822

JOB NUMBER

880-67945-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 4/13/2026 10:52:50 AM

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
2/10/2026 3:03:03 PM

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

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Laboratory Job ID: 880-67945-1
SDG: 2822

Table of Contents

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Definitions/Glossary

Client: Carmona Resources Job ID: 880-67945-1
Project/Site: Young #1 TB (11.10.22) SDG: 2822

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, 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: Young #1 TB (11.10.22)

Job ID: 880-67945-1

Job ID: 880-67945-1 Eurofins Midland

Job Narrative
880-67945-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/6/2026 4:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC VOA
Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-131192 and analytical batch 880-131251 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-1 (4.5') (880-67945-1), CS-2 (4.5') (880-67945-2), SW-1 (4.5') (880-67945-4), SW-2 (4.5') (880-67945-5), SW-3 (4.5') (880-67945-6) and SW-4 (4.5') (880-67945-7). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-3 (4.5') (880-67945-3) and (880-67944-A-16-C). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-67944-A-16-D MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-67944-A-16-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-130968 and analytical batch 880-131351 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Client Sample ID: CS-1 (4.5')

Lab Sample ID: 880-67945-1
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 10:37	02/09/26 17:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/26 10:37	02/09/26 17:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/26 10:37	02/09/26 17:55	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/09/26 10:37	02/09/26 17:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/26 10:37	02/09/26 17:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/26 10:37	02/09/26 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/09/26 10:37*	*02/09/26 17:55*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/09/26 10:37*	*02/09/26 17:55*	*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			02/09/26 17:55	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			02/10/26 04:50	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		02/09/26 12:14	02/10/26 04:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/26 12:14	02/10/26 04:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:14	02/10/26 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*137*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 04:50*	*1*
o-Terphenyl (Surr)	*139*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 04:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.9**		9.94		mg/Kg			02/09/26 22:03	1

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-67945-2
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 10:37	02/09/26 18:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/09/26 10:37	02/09/26 18:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/09/26 10:37	02/09/26 18:15	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/09/26 10:37	02/09/26 18:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/09/26 10:37	02/09/26 18:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/09/26 10:37	02/09/26 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/09/26 10:37*	*02/09/26 18:15*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/09/26 10:37*	*02/09/26 18:15*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-67945-2
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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			02/09/26 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	<49.6	U	49.6		mg/Kg			02/10/26 05:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/09/26 12:14	02/10/26 05:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/26 12:14	02/10/26 05:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/26 12:14	02/10/26 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*140*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 05:05*	*1*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 05:05*	*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			02/09/26 22:09	1

Client Sample ID: CS-3 (4.5')

Lab Sample ID: 880-67945-3
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 10:37	02/09/26 18:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 18:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 18:35	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/09/26 10:37	02/09/26 18:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 18:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/09/26 10:37	02/09/26 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/09/26 10:37*	*02/09/26 18:35*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/09/26 10:37*	*02/09/26 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			02/09/26 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	<50.3	U	50.3		mg/Kg			02/10/26 05:19	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	<50.3	U	50.3		mg/Kg		02/09/26 12:14	02/10/26 05:19	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/09/26 12:14	02/10/26 05:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Client Sample ID: CS-3 (4.5')

Lab Sample ID: 880-67945-3
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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)	<50.3	U	50.3		mg/Kg		02/09/26 12:14	02/10/26 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*125*		*70 - 130*	*02/09/26 12:14*	*02/10/26 05:19*	*1*
o-Terphenyl (Surr)	*135*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 05:19*	*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			02/09/26 22:16	1

Client Sample ID: SW-1 (4.5')

Lab Sample ID: 880-67945-4
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 10:37	02/09/26 18:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/26 10:37	02/09/26 18:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/09/26 10:37	02/09/26 18:56	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/09/26 10:37	02/09/26 18:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/09/26 10:37	02/09/26 18:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/09/26 10:37	02/09/26 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/09/26 10:37*	*02/09/26 18:56*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/09/26 10:37*	*02/09/26 18:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/09/26 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	<49.9	U	49.9		mg/Kg			02/10/26 05:35	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	<49.9	U	49.9		mg/Kg		02/09/26 12:14	02/10/26 05:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/26 12:14	02/10/26 05:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/26 12:14	02/10/26 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*131*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 05:35*	*1*
o-Terphenyl (Surr)	*140*	*S1+*	*70 - 130*	*02/09/26 12:14*	*02/10/26 05:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.0**		10.0		mg/Kg			02/09/26 22:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Client Sample ID: SW-2 (4.5')

Lab Sample ID: 880-67945-5
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 10:37	02/09/26 19:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 19:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 19:17	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/09/26 10:37	02/09/26 19:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 19:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/09/26 10:37	02/09/26 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/09/26 10:37*	*02/09/26 19:17*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/09/26 10:37*	*02/09/26 19:17*	*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			02/09/26 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/10/26 13:38	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		02/05/26 13:37	02/10/26 13:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/05/26 13:37	02/10/26 13:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/05/26 13:37	02/10/26 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*02/05/26 13:37*	*02/10/26 13:38*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*02/05/26 13:37*	*02/10/26 13:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.8**		9.92		mg/Kg			02/09/26 22:30	1

Client Sample ID: SW-3 (4.5')

Lab Sample ID: 880-67945-6
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 10:37	02/09/26 19:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/26 10:37	02/09/26 19:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/26 10:37	02/09/26 19:37	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/09/26 10:37	02/09/26 19:37	1
o-Xylene	**0.126**		0.00199		mg/Kg		02/09/26 10:37	02/09/26 19:37	1
Xylenes, Total	**0.126**		0.00398		mg/Kg		02/09/26 10:37	02/09/26 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*02/09/26 10:37*	*02/09/26 19:37*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/09/26 10:37*	*02/09/26 19:37*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Client Sample ID: SW-3 (4.5')

Lab Sample ID: 880-67945-6
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.126**		0.00398		mg/Kg			02/09/26 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			02/10/26 13:52	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	<49.9	U	49.9		mg/Kg		02/05/26 13:37	02/10/26 13:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/05/26 13:37	02/10/26 13:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/05/26 13:37	02/10/26 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*02/05/26 13:37*	*02/10/26 13:52*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*02/05/26 13:37*	*02/10/26 13:52*	*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			02/09/26 22:37	1

Client Sample ID: SW-4 (4.5')

Lab Sample ID: 880-67945-7
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

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		02/09/26 10:37	02/09/26 19:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 19:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 19:57	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/09/26 10:37	02/09/26 19:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 19:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/09/26 10:37	02/09/26 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/09/26 10:37*	*02/09/26 19:57*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/09/26 10:37*	*02/09/26 19:57*	*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			02/09/26 19:57	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			02/10/26 14:06	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		02/05/26 13:37	02/10/26 14:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 13:37	02/10/26 14:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Client Sample ID: SW-4 (4.5')

Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Lab Sample ID: 880-67945-7

Matrix: Solid

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		02/05/26 13:37	02/10/26 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*02/05/26 13:37*	*02/10/26 14:06*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*02/05/26 13:37*	*02/10/26 14:06*	*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			02/09/26 22:58	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-67884-A-21-C MS	Matrix Spike	104	99										
880-67884-A-21-D MSD	Matrix Spike Duplicate	104	98										
880-67945-1	CS-1 (4.5')	110	101										
880-67945-2	CS-2 (4.5')	103	103										
880-67945-3	CS-3 (4.5')	106	100										
880-67945-4	SW-1 (4.5')	94	93										
880-67945-5	SW-2 (4.5')	105	99										
880-67945-6	SW-3 (4.5')	87	98										
880-67945-7	SW-4 (4.5')	102	100										
LCS 880-131192/1-A	Lab Control Sample	101	97										
LCSD 880-131192/2-A	Lab Control Sample Dup	104	98										
MB 880-131192/5-A	Method Blank	98	98										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-67865-A-21-B MS	Matrix Spike	111	102										
880-67865-A-21-C MSD	Matrix Spike Duplicate	110	103										
880-67944-A-16-D MS	Matrix Spike	126	132 S1+										
880-67944-A-16-E MSD	Matrix Spike Duplicate	144 S1+	131 S1+										
880-67945-1	CS-1 (4.5')	137 S1+	139 S1+										
880-67945-2	CS-2 (4.5')	140 S1+	137 S1+										
880-67945-3	CS-3 (4.5')	125	135 S1+										
880-67945-4	SW-1 (4.5')	131 S1+	140 S1+										
880-67945-5	SW-2 (4.5')	110	108										
880-67945-6	SW-3 (4.5')	108	104										
880-67945-7	SW-4 (4.5')	110	105										
LCS 880-130968/2-A	Lab Control Sample	107	101										
LCS 880-131217/2-A	Lab Control Sample	119	121										
LCSD 880-130968/3-A	Lab Control Sample Dup	104	98										
LCSD 880-131217/3-A	Lab Control Sample Dup	121	122										
MB 880-130968/1-A	Method Blank	98	100										
MB 880-131217/1-A	Method Blank	119	121										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-131192/5-A
Matrix: Solid
Analysis Batch: 131251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 16:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 16:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 16:31	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/09/26 10:37	02/09/26 16:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/26 10:37	02/09/26 16:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/26 10:37	02/09/26 16:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/09/26 10:37*	*02/09/26 16:31*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/09/26 10:37*	*02/09/26 16:31*	*1*

Lab Sample ID: LCS 880-131192/1-A
Matrix: Solid
Analysis Batch: 131251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09373		mg/Kg		94	70 - 130
Toluene	0.100	0.08847		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09774		mg/Kg		98	70 - 130
m,p-Xylenes	0.200	0.1961		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09676		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-131192/2-A
Matrix: Solid
Analysis Batch: 131251

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09755		mg/Kg		98	70 - 130	4	35
Toluene	0.100	0.09175		mg/Kg		92	70 - 130	4	35
Ethylbenzene	0.100	0.1002		mg/Kg		100	70 - 130	2	35
m,p-Xylenes	0.200	0.2014		mg/Kg		101	70 - 130	3	35
o-Xylene	0.100	0.09923		mg/Kg		99	70 - 130	3	35

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

Lab Sample ID: 880-67884-A-21-C MS
Matrix: Solid
Analysis Batch: 131251

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131192

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07651		mg/Kg		77	70 - 130
Toluene	<0.00200	U F1	0.100	0.06530	F1	mg/Kg		65	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

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

Lab Sample ID: 880-67884-A-21-C MS
Matrix: Solid
Analysis Batch: 131251

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131192

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07395		mg/Kg		74	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1503		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U	0.100	0.07733		mg/Kg		77	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-67884-A-21-D MSD
Matrix: Solid
Analysis Batch: 131251

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 131192

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	0.08019		mg/Kg		80	70 - 130	5	35
Toluene	<0.00200	U F1	0.100	0.07228		mg/Kg		72	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.08080		mg/Kg		81	70 - 130	9	35
m,p-Xylenes	<0.00399	U	0.200	0.1658		mg/Kg		83	70 - 130	10	35
o-Xylene	<0.00200	U	0.100	0.08443		mg/Kg		84	70 - 130	9	35

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

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

Lab Sample ID: MB 880-130968/1-A
Matrix: Solid
Analysis Batch: 131351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 130968

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		02/05/26 13:37	02/10/26 06:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/05/26 13:37	02/10/26 06:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/05/26 13:37	02/10/26 06:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*02/05/26 13:37*	*02/10/26 06:40*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*02/05/26 13:37*	*02/10/26 06:40*	*1*

Lab Sample ID: LCS 880-130968/2-A
Matrix: Solid
Analysis Batch: 131351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 130968

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	980.2		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1106		mg/Kg		111	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

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

Lab Sample ID: LCS 880-130968/2-A
Matrix: Solid
Analysis Batch: 131351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 130968

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	107		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-130968/3-A
Matrix: Solid
Analysis Batch: 131351

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 130968

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	964.5		mg/Kg		96	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1062		mg/Kg		106	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	98		70 - 130

Lab Sample ID: 880-67865-A-21-B MS
Matrix: Solid
Analysis Batch: 131351

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 130968

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	1000	362.5	F1	mg/Kg		36	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	372.4	F1	mg/Kg		37	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	102		70 - 130

Lab Sample ID: 880-67865-A-21-C MSD
Matrix: Solid
Analysis Batch: 131351

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 130968

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	1000	356.6	F1	mg/Kg		36	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	363.7	F1	mg/Kg		36	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	103		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

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

Lab Sample ID: MB 880-131217/1-A
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131217

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		02/09/26 12:14	02/10/26 00:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/26 12:14	02/10/26 00:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/26 12:14	02/10/26 00:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*02/09/26 12:14*	*02/10/26 00:36*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*02/09/26 12:14*	*02/10/26 00:36*	*1*

Lab Sample ID: LCS 880-131217/2-A
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131217

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1128		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1167		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*119*		*70 - 130*
o-Terphenyl (Surr)	*121*		*70 - 130*

Lab Sample ID: LCSD 880-131217/3-A
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131217

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1133		mg/Kg		113	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1247		mg/Kg		125	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*121*		*70 - 130*
o-Terphenyl (Surr)	*122*		*70 - 130*

Lab Sample ID: 880-67944-A-16-D MS
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131217

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	999	606.7	F1	mg/Kg		61	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	693.3	F1	mg/Kg		69	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

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

Lab Sample ID: 880-67944-A-16-D MS
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131217

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

Lab Sample ID: 880-67944-A-16-E MSD
Matrix: Solid
Analysis Batch: 131190

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 131217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	617.3	F1	mg/Kg		62	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	643.1	F1	mg/Kg		64	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	144	S1+	70 - 130
o-Terphenyl (Surr)	131	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-131171/1-A
Matrix: Solid
Analysis Batch: 131279

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			02/09/26 20:40	1

Lab Sample ID: LCS 880-131171/2-A
Matrix: Solid
Analysis Batch: 131279

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	230.8		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-131171/3-A
Matrix: Solid
Analysis Batch: 131279

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	231.6		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-67945-6 MS
Matrix: Solid
Analysis Batch: 131279

Client Sample ID: SW-3 (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	251	260.5		mg/Kg		101	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-67945-6 MSD
Matrix: Solid
Analysis Batch: 131279

Client Sample ID: SW-3 (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	251	262.4		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

GC VOA

Prep Batch: 131192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-1	CS-1 (4.5')	Total/NA	Solid	5035	
880-67945-2	CS-2 (4.5')	Total/NA	Solid	5035	
880-67945-3	CS-3 (4.5')	Total/NA	Solid	5035	
880-67945-4	SW-1 (4.5')	Total/NA	Solid	5035	
880-67945-5	SW-2 (4.5')	Total/NA	Solid	5035	
880-67945-6	SW-3 (4.5')	Total/NA	Solid	5035	
880-67945-7	SW-4 (4.5')	Total/NA	Solid	5035	
MB 880-131192/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131192/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131192/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67884-A-21-C MS	Matrix Spike	Total/NA	Solid	5035	
880-67884-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 131251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-1	CS-1 (4.5')	Total/NA	Solid	8021B	131192
880-67945-2	CS-2 (4.5')	Total/NA	Solid	8021B	131192
880-67945-3	CS-3 (4.5')	Total/NA	Solid	8021B	131192
880-67945-4	SW-1 (4.5')	Total/NA	Solid	8021B	131192
880-67945-5	SW-2 (4.5')	Total/NA	Solid	8021B	131192
880-67945-6	SW-3 (4.5')	Total/NA	Solid	8021B	131192
880-67945-7	SW-4 (4.5')	Total/NA	Solid	8021B	131192
MB 880-131192/5-A	Method Blank	Total/NA	Solid	8021B	131192
LCS 880-131192/1-A	Lab Control Sample	Total/NA	Solid	8021B	131192
LCSD 880-131192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131192
880-67884-A-21-C MS	Matrix Spike	Total/NA	Solid	8021B	131192
880-67884-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	131192

Analysis Batch: 131379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-1	CS-1 (4.5')	Total/NA	Solid	Total BTEX	
880-67945-2	CS-2 (4.5')	Total/NA	Solid	Total BTEX	
880-67945-3	CS-3 (4.5')	Total/NA	Solid	Total BTEX	
880-67945-4	SW-1 (4.5')	Total/NA	Solid	Total BTEX	
880-67945-5	SW-2 (4.5')	Total/NA	Solid	Total BTEX	
880-67945-6	SW-3 (4.5')	Total/NA	Solid	Total BTEX	
880-67945-7	SW-4 (4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 130968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-5	SW-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-67945-6	SW-3 (4.5')	Total/NA	Solid	8015NM Prep	
880-67945-7	SW-4 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-130968/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-130968/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-130968/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67865-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67865-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

GC Semi VOA

Analysis Batch: 131190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-1	CS-1 (4.5')	Total/NA	Solid	8015B NM	131217
880-67945-2	CS-2 (4.5')	Total/NA	Solid	8015B NM	131217
880-67945-3	CS-3 (4.5')	Total/NA	Solid	8015B NM	131217
880-67945-4	SW-1 (4.5')	Total/NA	Solid	8015B NM	131217
MB 880-131217/1-A	Method Blank	Total/NA	Solid	8015B NM	131217
LCS 880-131217/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131217
LCSD 880-131217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131217
880-67944-A-16-D MS	Matrix Spike	Total/NA	Solid	8015B NM	131217
880-67944-A-16-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131217

Prep Batch: 131217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-1	CS-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-67945-2	CS-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-67945-3	CS-3 (4.5')	Total/NA	Solid	8015NM Prep	
880-67945-4	SW-1 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-131217/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131217/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67944-A-16-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67944-A-16-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 131351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-5	SW-2 (4.5')	Total/NA	Solid	8015B NM	130968
880-67945-6	SW-3 (4.5')	Total/NA	Solid	8015B NM	130968
880-67945-7	SW-4 (4.5')	Total/NA	Solid	8015B NM	130968
MB 880-130968/1-A	Method Blank	Total/NA	Solid	8015B NM	130968
LCS 880-130968/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	130968
LCSD 880-130968/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	130968
880-67865-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	130968
880-67865-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	130968

Analysis Batch: 131391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-1	CS-1 (4.5')	Total/NA	Solid	8015 NM	
880-67945-2	CS-2 (4.5')	Total/NA	Solid	8015 NM	
880-67945-3	CS-3 (4.5')	Total/NA	Solid	8015 NM	
880-67945-4	SW-1 (4.5')	Total/NA	Solid	8015 NM	
880-67945-5	SW-2 (4.5')	Total/NA	Solid	8015 NM	
880-67945-6	SW-3 (4.5')	Total/NA	Solid	8015 NM	
880-67945-7	SW-4 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 131171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-1	CS-1 (4.5')	Soluble	Solid	DI Leach	
880-67945-2	CS-2 (4.5')	Soluble	Solid	DI Leach	
880-67945-3	CS-3 (4.5')	Soluble	Solid	DI Leach	
880-67945-4	SW-1 (4.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

HPLC/IC (Continued)

Leach Batch: 131171 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-5	SW-2 (4.5')	Soluble	Solid	DI Leach	
880-67945-6	SW-3 (4.5')	Soluble	Solid	DI Leach	
880-67945-7	SW-4 (4.5')	Soluble	Solid	DI Leach	
MB 880-131171/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131171/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131171/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67945-6 MS	SW-3 (4.5')	Soluble	Solid	DI Leach	
880-67945-6 MSD	SW-3 (4.5')	Soluble	Solid	DI Leach	

Analysis Batch: 131279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67945-1	CS-1 (4.5')	Soluble	Solid	300.0	131171
880-67945-2	CS-2 (4.5')	Soluble	Solid	300.0	131171
880-67945-3	CS-3 (4.5')	Soluble	Solid	300.0	131171
880-67945-4	SW-1 (4.5')	Soluble	Solid	300.0	131171
880-67945-5	SW-2 (4.5')	Soluble	Solid	300.0	131171
880-67945-6	SW-3 (4.5')	Soluble	Solid	300.0	131171
880-67945-7	SW-4 (4.5')	Soluble	Solid	300.0	131171
MB 880-131171/1-A	Method Blank	Soluble	Solid	300.0	131171
LCS 880-131171/2-A	Lab Control Sample	Soluble	Solid	300.0	131171
LCSD 880-131171/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131171
880-67945-6 MS	SW-3 (4.5')	Soluble	Solid	300.0	131171
880-67945-6 MSD	SW-3 (4.5')	Soluble	Solid	300.0	131171

Lab Chronicle

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Client Sample ID: CS-1 (4.5')

Lab Sample ID: 880-67945-1

Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131192	02/09/26 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131251	02/09/26 17:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131379	02/09/26 17:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			131391	02/10/26 04:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 04:50	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 22:03	CS	EET MID

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-67945-2

Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131192	02/09/26 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131251	02/09/26 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131379	02/09/26 18:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			131391	02/10/26 05:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 05:05	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 22:09	CS	EET MID

Client Sample ID: CS-3 (4.5')

Lab Sample ID: 880-67945-3

Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131192	02/09/26 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131251	02/09/26 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131379	02/09/26 18:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			131391	02/10/26 05:19	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 05:19	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 22:16	CS	EET MID

Client Sample ID: SW-1 (4.5')

Lab Sample ID: 880-67945-4

Date Collected: 02/06/26 00:00
Matrix: Solid
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	131192	02/09/26 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131251	02/09/26 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131379	02/09/26 18:56	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Client Sample ID: SW-1 (4.5')

Lab Sample ID: 880-67945-4
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			131391	02/10/26 05:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131217	02/09/26 12:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131190	02/10/26 05:35	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 22:23	CS	EET MID

Client Sample ID: SW-2 (4.5')

Lab Sample ID: 880-67945-5
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	131192	02/09/26 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131251	02/09/26 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131379	02/09/26 19:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			131391	02/10/26 13:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	130968	02/05/26 13:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131351	02/10/26 13:38	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 22:30	CS	EET MID

Client Sample ID: SW-3 (4.5')

Lab Sample ID: 880-67945-6
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131192	02/09/26 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131251	02/09/26 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131379	02/09/26 19:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			131391	02/10/26 13:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	130968	02/05/26 13:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131351	02/10/26 13:52	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 22:37	CS	EET MID

Client Sample ID: SW-4 (4.5')

Lab Sample ID: 880-67945-7
Matrix: Solid
Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131192	02/09/26 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131251	02/09/26 19:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131379	02/09/26 19:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			131391	02/10/26 14:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130968	02/05/26 13:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131351	02/10/26 14:06	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Client Sample ID: SW-4 (4.5')

Date Collected: 02/06/26 00:00
Date Received: 02/06/26 16:15

Lab Sample ID: 880-67945-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	131171	02/09/26 09:24	SA	EET MID
Soluble	Analysis	300.0		1			131279	02/09/26 22:58	CS	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: 880-67945-1
Project/Site: Young #1 TB (11.10.22)
SDG: 2822

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	06-30-26

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: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

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: Young #1 TB (11.10.22)

Job ID: 880-67945-1
SDG: 2822

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-67945-1	CS-1 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67945-2	CS-2 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67945-3	CS-3 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67945-4	SW-1 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67945-5	SW-2 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67945-6	SW-3 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico
880-67945-7	SW-4 (4.5')	Solid	02/06/26 00:00	02/06/26 16:15	New Mexico

Released to Imaging: 4/13/2026 10:32:30 AM
Received by OCD: 3/16/2026 12:53:43 PM

Chain of Custody

880-67945 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St 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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Young #1 TB (11.10.22)	Turn Around	
Project Number:	2822	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	48 hr
Sampler's Name:	JR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.0
Total Containers:		Corrected Temperature:	2.9

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	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-1 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-2 (4.5')	2/6/2026		X		C	1		X	X	X		
CS-3 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-1 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-2 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-3 (4.5')	2/6/2026		X		C	1		X	X	X		
SW-4 (4.5')	2/6/2026		X		C	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2-6-26 1615

2/10/2026

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-67945-1
SDG Number: 2822

Login Number: 67945
List Number: 1
Creator: Dyal, Erica

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/13/2026 12:23:38 PM

JOB DESCRIPTION

Young #1 Reclaim
Lea County New Mexico

JOB NUMBER

880-68091-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 4/13/2026 10:52:50 AM

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
2/13/2026 12:23:38 PM

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

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Laboratory Job ID: 880-68091-1
SDG: Lea County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Young #1 Reclaim

Job ID: 880-68091-1

Job ID: 880-68091-1 Eurofins Midland

Job Narrative
880-68091-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 2/11/2026 9:08 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.0°C.

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 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-131473 and analytical batch 880-131571 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

Client Sample ID: Backfill Sample

Date Collected: 02/10/26 00:00
Date Received: 02/11/26 09:08

Lab Sample ID: 880-68091-1
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		02/11/26 09:41	02/11/26 14:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/26 09:41	02/11/26 14:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/26 09:41	02/11/26 14:40	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/11/26 09:41	02/11/26 14:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/26 09:41	02/11/26 14:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/26 09:41	02/11/26 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/11/26 09:41*	*02/11/26 14:40*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/11/26 09:41*	*02/11/26 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			02/11/26 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	<50.3	U	50.3		mg/Kg			02/12/26 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	<50.3	U	50.3		mg/Kg		02/11/26 10:58	02/12/26 20:03	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/11/26 10:58	02/12/26 20:03	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/11/26 10:58	02/12/26 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*02/11/26 10:58*	*02/12/26 20:03*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*02/11/26 10:58*	*02/12/26 20:03*	*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			02/11/26 16:26	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

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)										
880-67984-A-1-G MS	Matrix Spike	96	107										
880-67984-A-1-H MSD	Matrix Spike Duplicate	112	118										
880-68091-1	Backfill Sample	102	113										
LCS 880-131450/1-A	Lab Control Sample	104	117										
LCSD 880-131450/2-A	Lab Control Sample Dup	99	115										
MB 880-131450/5-A	Method Blank	100	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)										
880-68091-1	Backfill Sample	99	110										
880-68093-A-6-B MS	Matrix Spike	118	122										
880-68093-A-6-C MSD	Matrix Spike Duplicate	117	123										
LCS 880-131473/2-A	Lab Control Sample	125	120										
LCSD 880-131473/3-A	Lab Control Sample Dup	128	123										
MB 880-131473/1-A	Method Blank	88	102										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-131450/5-A
Matrix: Solid
Analysis Batch: 131442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/26 09:41	02/11/26 12:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/26 09:41	02/11/26 12:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/26 09:41	02/11/26 12:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/11/26 09:41	02/11/26 12:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/26 09:41	02/11/26 12:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/26 09:41	02/11/26 12:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/11/26 09:41*	*02/11/26 12:35*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/11/26 09:41*	*02/11/26 12:35*	*1*

Lab Sample ID: LCS 880-131450/1-A
Matrix: Solid
Analysis Batch: 131442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131450

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09673		mg/Kg		97	70 - 130		
Toluene			0.100	0.08916		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.09327		mg/Kg		93	70 - 130		
m,p-Xylenes			0.200	0.1804		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.08845		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: LCSD 880-131450/2-A
Matrix: Solid
Analysis Batch: 131442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131450

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08575		mg/Kg		86	70 - 130	12	35
Toluene			0.100	0.07942		mg/Kg		79	70 - 130	12	35
Ethylbenzene			0.100	0.09041		mg/Kg		90	70 - 130	3	35
m,p-Xylenes			0.200	0.1741		mg/Kg		87	70 - 130	4	35
o-Xylene			0.100	0.08387		mg/Kg		84	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 880-67984-A-1-G MS
Matrix: Solid
Analysis Batch: 131442

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.0171		0.100	0.1072		mg/Kg		90	70 - 130		
Toluene	0.00919		0.100	0.09599		mg/Kg		87	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-67984-A-1-G MS
Matrix: Solid
Analysis Batch: 131442

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00539		0.100	0.09833		mg/Kg		93	70 - 130
m,p-Xylenes	0.00604		0.200	0.1853		mg/Kg		90	70 - 130
o-Xylene	0.00362		0.100	0.08727		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 880-67984-A-1-H MSD
Matrix: Solid
Analysis Batch: 131442

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 131450

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0171		0.100	0.1052		mg/Kg		88	70 - 130	2	35
Toluene	0.00919		0.100	0.09153		mg/Kg		82	70 - 130	5	35
Ethylbenzene	0.00539		0.100	0.09773		mg/Kg		92	70 - 130	1	35
m,p-Xylenes	0.00604		0.200	0.1838		mg/Kg		89	70 - 130	1	35
o-Xylene	0.00362		0.100	0.09042		mg/Kg		87	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

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

Lab Sample ID: MB 880-131473/1-A
Matrix: Solid
Analysis Batch: 131571

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131473

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		02/11/26 10:58	02/12/26 14:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/26 10:58	02/12/26 14:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/26 10:58	02/12/26 14:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*02/11/26 10:58*	*02/12/26 14:46*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*02/11/26 10:58*	*02/12/26 14:46*	*1*

Lab Sample ID: LCS 880-131473/2-A
Matrix: Solid
Analysis Batch: 131571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	938.7		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	841.0		mg/Kg		84	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-131473/2-A
Matrix: Solid
Analysis Batch: 131571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131473

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	125		70 - 130
o-Terphenyl (Surr)	120		70 - 130

Lab Sample ID: LCSD 880-131473/3-A
Matrix: Solid
Analysis Batch: 131571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131473

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	940.5		mg/Kg		94	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	864.8		mg/Kg		86	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	128		70 - 130
o-Terphenyl (Surr)	123		70 - 130

Lab Sample ID: 880-68093-A-6-B MS
Matrix: Solid
Analysis Batch: 131571

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131473

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	956.3		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	334	F1	998	1004	F1	mg/Kg		67	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	118		70 - 130
o-Terphenyl (Surr)	122		70 - 130

Lab Sample ID: 880-68093-A-6-C MSD
Matrix: Solid
Analysis Batch: 131571

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 131473

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	998	944.1		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	334	F1	998	1016	F1	mg/Kg		68	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	123		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-131468/1-A
Matrix: Solid
Analysis Batch: 131538

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			02/11/26 16:06	1

Lab Sample ID: LCS 880-131468/2-A
Matrix: Solid
Analysis Batch: 131538

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.0		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-131468/3-A
Matrix: Solid
Analysis Batch: 131538

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	236.1		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-68091-1 MS
Matrix: Solid
Analysis Batch: 131538

Client Sample ID: Backfill Sample
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.0	U	250	258.6		mg/Kg		100	90 - 110		

Lab Sample ID: 880-68091-1 MSD
Matrix: Solid
Analysis Batch: 131538

Client Sample ID: Backfill Sample
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	250	258.3		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 131442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68091-1	Backfill Sample	Total/NA	Solid	8021B	131450
MB 880-131450/5-A	Method Blank	Total/NA	Solid	8021B	131450
LCS 880-131450/1-A	Lab Control Sample	Total/NA	Solid	8021B	131450
LCSD 880-131450/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131450
880-67984-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	131450
880-67984-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	131450

Prep Batch: 131450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68091-1	Backfill Sample	Total/NA	Solid	5035	
MB 880-131450/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131450/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131450/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67984-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-67984-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 131653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68091-1	Backfill Sample	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 131473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68091-1	Backfill Sample	Total/NA	Solid	8015NM Prep	
MB 880-131473/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131473/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131473/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68093-A-6-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-68093-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 131571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68091-1	Backfill Sample	Total/NA	Solid	8015B NM	131473
MB 880-131473/1-A	Method Blank	Total/NA	Solid	8015B NM	131473
LCS 880-131473/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131473
LCSD 880-131473/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131473
880-68093-A-6-B MS	Matrix Spike	Total/NA	Solid	8015B NM	131473
880-68093-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131473

Analysis Batch: 131731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68091-1	Backfill Sample	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 131468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68091-1	Backfill Sample	Soluble	Solid	DI Leach	
MB 880-131468/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131468/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131468/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 131468 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68091-1 MS	Backfill Sample	Soluble	Solid	DI Leach	
880-68091-1 MSD	Backfill Sample	Soluble	Solid	DI Leach	

Analysis Batch: 131538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68091-1	Backfill Sample	Soluble	Solid	300.0	131468
MB 880-131468/1-A	Method Blank	Soluble	Solid	300.0	131468
LCS 880-131468/2-A	Lab Control Sample	Soluble	Solid	300.0	131468
LCSD 880-131468/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131468
880-68091-1 MS	Backfill Sample	Soluble	Solid	300.0	131468
880-68091-1 MSD	Backfill Sample	Soluble	Solid	300.0	131468

Lab Chronicle

Client: Carmona Resources
Project/Site: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

Client Sample ID: Backfill Sample

Date Collected: 02/10/26 00:00
Date Received: 02/11/26 09:08

Lab Sample ID: 880-68091-1

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	131450	02/11/26 09:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131442	02/11/26 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131653	02/11/26 14:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			131731	02/12/26 20:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	131473	02/11/26 10:58	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131571	02/12/26 20:03	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	131468	02/11/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1			131538	02/11/26 16:26	CS	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: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

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	06-30-26

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: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

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: Young #1 Reclaim

Job ID: 880-68091-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-68091-1	Backfill Sample	Solid	02/10/26 00:00	02/11/26 09:08	New Mexico

Released to Imaging: 4/13/2026 10:32:30 AM
Received by OCD: 3/16/2026 12:53:43 PM

880-68091 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name	
Address:	310 W Wall St 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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name	Young #1 Reclaim	Turn Around	
Project Number:	2822	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date	48 hr
Sampler's Name:	JR		
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes (No)	Wet Ice	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID	IR8	
Cooler Custody Seals	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	-0.8	
Total Containers.		Corrected Temperature	-1.0	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
Backfill Sample	2/10/2026		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

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2-11-26 408

Released to Imaging: 4/13/2026 10:32:30 AM
Received by OCD: 3/16/2026 12:53:43 PM

880-68091 Chain of Custody

Project Manager	Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address.	310 W Wall St 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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Young #1 Reclaim	Turn Around	
Project Number	2822	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	48 hr
Sampler's Name	JR		
PO #:			

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID	IR8	
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-0.2	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	-0.8	
Total Containers.		Corrected Temperature.	-1.0	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Parameters	Hold
Backfill Sample	2/10/2026		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

Sample Comments

Comments:

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
			2-11-26 408

2/13/2026

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-68091-1
SDG Number: Lea County New Mexico

Login Number: 68091
List Number: 1
Creator: Dyal, Erica

List Source: Eurofins Midland

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

APPENDIX F

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAB1907834716
District RP	1RP-5397
Facility ID	
Application ID	pAB1907834153

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # *(assigned by OCD)* NAB1907834716
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.76749° Longitude: -103.72988°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Young 8709 #1 Heater Treater	Site Type: Production Facility
Date Release Discovered: 2/20/2019	API# *(if applicable)* Nearest well: Young 8709 JV-P #1 API #30-025-30051

Unit Letter	Section	Township	Range	County
A	11	18S	32E	Lea

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

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) 5 BBL (vol of vessel)	Volume Recovered (bbls) 0 BBL
☒ Produced Water	Volume Released (bbls) 5 BBL (vol of vessel)	Volume Recovered (bbls) 0 BBL
	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
The separator vessel leaked due to corrosion.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1907834716
District RP	1RP-5397
Facility ID	
Application ID	pAB1907834153

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

Initial Response

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

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

If all the actions described above have 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: Bob Hall Title: Environmental Manager

Signature: Bob Hall Date: 3/7/2019

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Amalia Bustamante Date: 3/19/2019

From: Bob Hall
To: Eads, Cristina, EMNRD
Subject: [EXT] FW: NAB1907834716 YOUNG, 8709 JV-P #001 HEATER TREATER @ 30-025-30051
Date: Wednesday, March 18, 2020 8:45:40 AM
Attachments: image004.png
C-144_Young #1.pdf

Hi Cristina,

I have attached a scan of the C-144 and a portion of the closure report for work that was performed in early 2008. The last page of the scan is a site map showing relative distances between the wellhead, the containment for the heater treater, and the area of the pit.

If you need more information, please let me know.

Thanks,
Bob.

Bob Hall
BTA Oil Producers, LLC
104 S. Pecos Street
Midland, TX 79701

bhall@btaoil.com
(432) 682-3753 (office)
(432) 312-2203 (cell)



From: Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Sent: Monday, March 16, 2020 2:09 PM
To: Bob Hall <BHall@btaoil.com>
Subject: NAB1907834716 YOUNG, 8709 JV-P #001 HEATER TREATER @ 30-025-30051

***** EXTERNAL EMAIL - Please use caution and **DO NOT** open attachments or click links from unknown or unexpected emails. *****

Mr. Hall,

I am currently reviewing the closure report for incident nAB1907834716 and I am having trouble finding any information on the reserve pit mentioned in the report.

Do you have the pit number or a copy of the C-144 pit registration?

Thanks,

Cristina Eads
Environmental Bureau
EMNRD – Oil Conservation Division
5200 Oakland Avenue NE, Suite 100
Albuquerque, New Mexico 87113
505.670-5601
email: Cristina.Eads@state.nm.us



OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☐

Operator: BTA Oil Producers, LLC Telephone: 432-682-3753 e-mail address: sbaca@btaoil.com
Address:
Facility or well name: Young 8709 JV-P #1 API #: 30-025-3005 U/L or Qtr/Qtr: 660 FNL, 330 FEL, Sec 11 T 18S R 32E
County: Lea Latitude N 32° 46.057 Longitude W 103° 43.796 NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness ____mil Clay ☐ Pit Volume 25,646 bbl	**Below-grade tank** Volume: ____bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) 100+	Less than 50 feet ☐ 50 feet or more, but less than 100 feet ☐ 100 feet or more ☒	(20 points) ☐ (10 points) ☐ (0 points) ☒
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes ☐ No ☒	(20 points) ☐ (0 points) ☒
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet ☐ 200 feet or more, but less than 1000 feet ☐ 1000 feet or more ☒	(20 points) ☐ (10 points) ☐ (0 points) ☒
	Ranking Score (Total Points)	0

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☐ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: We would clean and remove debris from the surface of the reserve pit and disk the surface. We would then seed the area with BLM seed mixtures two (2) and three (3) for sandy soils. The entire reserve pit area would be dragged in order to cover the seed as much seed as possible. Seed will lay dormant through the winter months receiving nourishment from precipitation and natural fertilizers. Dragging would also hide the seed from birds that would use it as a food source. A copy of the plan is attached to this form along with a site map, depicting the pit and its relation to the oil well and the heater/treater.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: 2/5/08
Printed Name/Title J. A. Baca Signature

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title Signature Date:

PIT CLOSURE REPORT

8709 JV-P Young #1 Reserve Pit (NMNM69371)
19 Miles West of Eunice, New Mexico
NW/NE, Section 11, T18S, R32E
Lea County, New Mexico
BTA Project Number: Env. 2008-024
BLM Reference # 08-JKB-110

Prepared for:
United States Department of the Interior
Bureau of Land Management
Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292

Prepared by:

BTA Oil Producers
104 S. Pecos
Midland, Texas 79701

April 2008

Joseph A. Baca, P.G
Environmental Coordinator
BTA Oil Producers

STATE OF TEXAS
Joseph A. Baca
Geology
2990
LICENSED
PROFESSIONAL GEOSCIENTIST

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1.0 INTRODUCTION 1

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ATTACHMENTS

FIGURES

Figure 1: Site Location Map
Figure 2: Site Details Map with Confirmation Soil Sample Locations

TABLES

Table 1 Collected Samples Analysis

APPENDICES

Appendix A: BLM Letter of Inspection
Appendix B: BLM Letter of Reclamation Plan Approval
Appendix C: Laboratory Analytical Results

1.0 INTRODUCTION

BTA Oil Producers (BTA) is pleased to submit this Pit Closure Report (PCR) for the BTA Young 8709 JV-P #1 (Young) reserve pit and surface reclamation. The Young (Project No. Env. 2008-024) site is located in Lea County approximately 30 miles west and 3.5 south of NM 529 west of Eunice, New Mexico. The GPS coordinates are N 32° 46.057' and W 103° 43.796'. A Site Location Map is provided as FIGURE 1.

According to a letter dated January 15, 2008 (Appendix A), The United States Department of the Interior, Bureau of Land Management, Carlsbad Field Office, Carlsbad, New Mexico (BLM) performed an inspection of the BTA Young #1 production facility sight on January 10, 2008. It was found that the pit area failed to grow adequate desirable vegetation. The BLM requested that BTA prepare a reclamation plan and submit it to the BLM. The plan was submitted on February 11, 2008 and was approved by the BLM on March 5, 2008 (Appendix B).

1.1 Purpose of Report

The purpose of this report is to document reclamation activities at the Young #1 site for the BLM in accordance with the Reclamation Plan dated February 11, 2008 written by BTA and approved by the BLM March 5, 2008.

2.0 SUMMARY OF FIELD ACTIVITIES

2.1 Surface Preparations, Seeding and Back Dragging

On February 22, 2008 samples were collected from the reserve pit at the request of the BLM to make sure that no chloride had impacted the reserve pit area (Figure 2). The samples were submitted to a laboratory for chloride analysis (Appendix C). The results of the chloride analysis were submitted to the BLM as proof that the chloride levels in the reserve pit were below state regulatory limits. The reclamation plan was approved and reclamation activities could begin (Table 1). BTA mobilized equipment to the site on April 2, 2008 and began reclamation activities. Field activities included the removal of debris and completely cleaning the surface of trash. The crew set the disk at approximately 6-inches and the surface was disked. Following the disking, BLM Blend #2 (NM#2) and #3 (NM#3) were mechanically broad cast. A chain devise pulled behind a tractor was used to back drag the seeded soil of the reserve pit. A site detail map displaying the extents of the reclamation project reclamation limits and other site details is included with this report (Figure 2).

2.2 Surface Reclamation

Based on reclamation activities of the affected area it was restored to as near its original condition as possible.

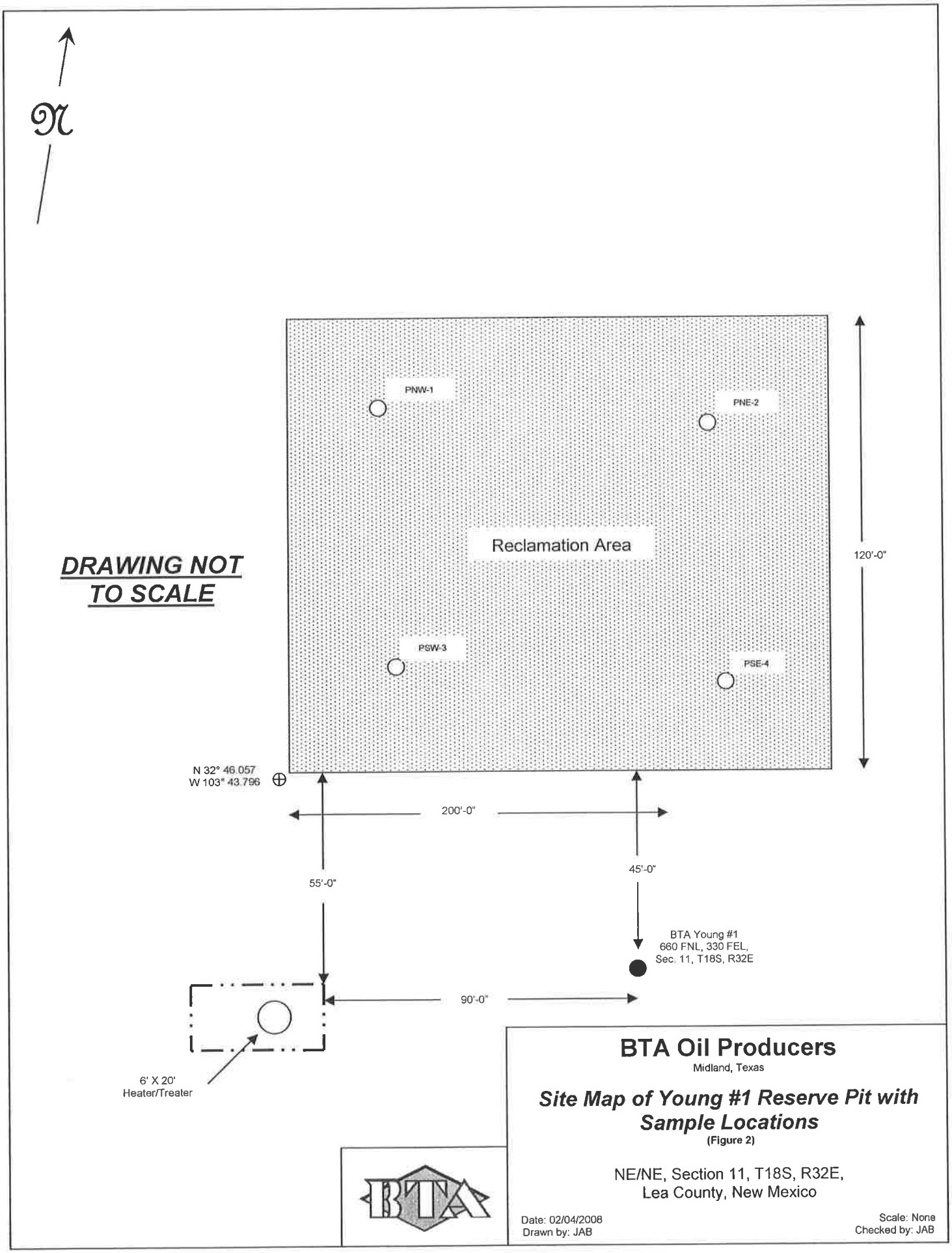
3.0 SUMMARY AND REQUEST FOR CLOSURE

Based on the reclamation activities associated with this project and restoration of natural seeds, no further action is recommended or planned for the site at this time. BTA requests that the BLM grant closure to the BTA Young 8709 JV-P #1 remediation site.

4.0 LIMITATIONS

BTA has prepared this Site Closure Report to the best of its ability. No other warranty, expressed or implied, is made or intended. BTA has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. BTA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. BTA has prepared this report in a professional manner, using a degree of skill and care. BTA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared by BTA. The information contained in this report including all exhibits and attachments may not be used by any other party without the express written consent of BTA.



BTA Oil Producers

Midland, Texas

Site Map of Young #1 Reserve Pit with Sample Locations

(Figure 2)

NE/NE, Section 11, T18S, R32E,
Lea County, New Mexico

Date: 02/04/2008
Drawn by: JAB

Scale: None
Checked by: JAB

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAB1907834716
District RP	1RP-5397
Facility ID	
Application ID	pAB1907834153

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # *(assigned by OCD)* NAB1907834716
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.76749° Longitude: -103.72988°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Young 8709 #1 Heater Treater	Site Type: Production Facility
Date Release Discovered: 2/20/2019	API# *(if applicable)* Nearest well: Young 8709 JV-P #1 API #30-025-30051

Unit Letter	Section	Township	Range	County
A	11	18S	32E	Lea

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

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) 5 BBL (vol of vessel)	Volume Recovered (bbls) 0 BBL
☒ Produced Water	Volume Released (bbls) 5 BBL (vol of vessel)	Volume Recovered (bbls) 0 BBL
	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
The separator vessel leaked due to corrosion.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1907834716
District RP	1RP-5397
Facility ID	
Application ID	pAB1907834153

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

Initial Response

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

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

If all the actions described above have 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: Bob Hall Title: Environmental Manager

Signature: Bob Hall Date: 3/7/2019

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Amalia Bustamante Date: 3/19/2019

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1907834716
District RP	1RP-5397
Facility ID	
Application ID	pAB1907834153

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	~111 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NAB1907834716
District RP	1RP-5397
Facility ID	
Application ID	pAB1907834153

Closure

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

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

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

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) ** **no excavation completed**

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

☒ Description of remediation activities

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

Printed Name: Bob Hall Title: Environmental Manager

Signature: Bob Hall Date: 1/13/2020

Email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Cristina Eads Date: 03/16/2020

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

Closure Approved by: Denied Date: 03/18/2020

Printed Name: Cristina Eads Title: Environmental Specialist

CLOSURE REPORT FOR THE YOUNG 8709 JV-P #1 (1RP-5397)

BTA OIL PRODUCERS, LLC

C&M Services, LLC. Natural Resources Department
MAILING: P.O. BOX 3470 HOBBS, NM 88241
HOBBS OFFICE: 2607 W. MARLAND BLVD. HOBBS, NM 88240
CARLSBAD OFFICE: 312 N. CANAL ST STE C, CARLSBAD NM, 88220

Received by OCD: 3/16/2026 12:53:43 PM

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Appendix C Analytical Data .....
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January 20, 2020

NMOCD District 1
1625 N. French Drive
Hobbs, New Mexico 88240

RE: Remediation Closure Report for the Young 8709 JV-P #1 Release (1RP-5397), Lea County, New Mexico

To Whom It May Concern,

On behalf of BTA Oil Producers, LLC (BTA) C&M Services, LLC. (C&M) has prepared this Remediation Closure Report, which describes the remediation of a release of liquids related to oil and gas production activities at the Young 8709 JV-P #1 site. The release site is in Unit A, Section 11, Township 18S, Range 32E, Lea County, New Mexico, on Federal (BLM) land. Map 1 illustrates the vicinity and site.

Release History

On February 20, 2019, a release was discovered at the Young 8709 JV-P #1 site as a result of the separator vessel leaking due to corrosion. Initial response activities were conducted by BTA and included; source elimination, site security, containment, and site stabilization activities. No fluid was recovered. Map 1 illustrates the vicinity and site location. Map 2 illustrates the release location. The C-141 form is included in Appendix A.

Release Location Information

Table 1: Release Information

API Number	30-025-30051	Source of Release	The separator vessel leaking due to corrosion
Remediation Permit Number	1RP-5397	Released Material	Crude Oil & Produced Water
Estimated Date of Release	2/20/2019	Released Volume	5 bbls Crude Oil 5 bbls Produced Water
NMOCD Report Date	3/07/2019	Recovered Volume	0 bbls
NMOCD Closure Criteria	>100 feet to groundwater	Net Release	5 bbls Crude Oil 5 bbls Produced Water

The Young 8709 JV-P #1 is located approximately 38.01 miles northeast of Carlsbad, New Mexico on Federal (BLM) land at an elevation of approximately 3,878 feet above mean sea level (amsl).

There are no known water sources within ½-mile of the location. Five wells are found within a 3.6-mile radius according to the New Mexico Office of the State Engineer (NMOSE) online water well database and the USGS Water Resources (Appendix B). Using the five surrounding wells the depth to groundwater is estimated to be around 111 ft (bgs). Map 2 illustrates the site with 100, 200, and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Table 1 demonstrates the closure criteria applicable to this location. Pertinent well data is attached in Appendix B.

Remediation Activities

Initial Release Characterization

On July 20, 2019, Expert Environmental, LLC (EE) arrived on site in response to the release associated with the Young 8709 JV-P #001. EE performed site delineation activities by collecting soil samples around the release site and throughout the visibly stained area. Samples were collected and field screened for chlorides using titration. The sample locations, depths, and dates collected are notated below in the Table 2. Map 3 shows the estimated release area and sample locations.

A total of thirteen (13) samples were collected for laboratory analysis. Samples were analyzed for: total chloride using SM4500CL-B; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015M. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Cardinal Laboratory in Hobbs, New Mexico (Appendix C).

Confirmation Sampling

On December 19, 2019, confirmation sampling of the release area (SP#6 thru SP#9, and SW#1 thru SW#3) was conducted by C&M personnel. On January 6, 2020, C&M returned to the location with a trailer-mounted auger to perform additional delineation in 3 areas (SP#1, SP#10, and SW#4).

A total of twenty-two (22) samples were collected for laboratory analysis. Samples were analyzed for: total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico (Appendix C).

Map 3 shows the extent of the release area and sample locations. All field screening and laboratory results are summarized in Table 3. Laboratory reports are included in Appendix C.

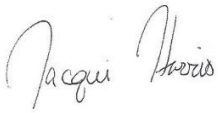
The site meets the standards of Table I of 19.15.29.12 NMAC.

In addition to meeting the Closure Criteria, the top four (4) feet of impacted areas off the well pad (not overlaying the old reserve pit) meet the Reclamation requirement of 19.15.29.13(D)(1).

Conclusion

Based on the soil assessment at the site, BTA requests closure of this spill. The final C-141 is enclosed in Appendix A. If you have any questions or comments concerning this report, please call Jacqui Harris at 575-496-0780.

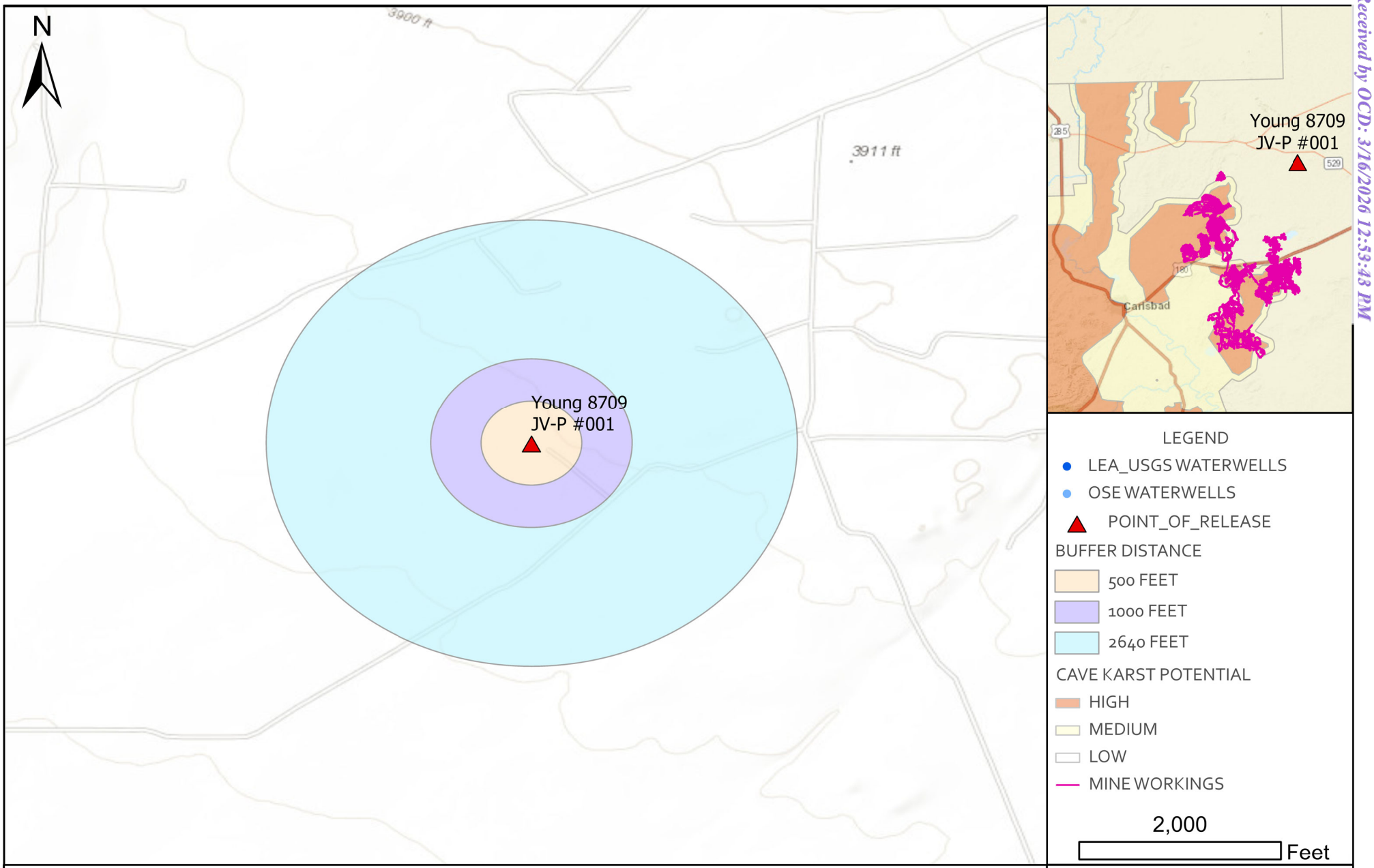
Submitted by:
C&M Services, LLC, Natural Resource Department



Jacqui Harris
Environmental Compliance Manager

Map 1

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Regional Vicinity & Wellhead Protection Map

Map 1

BTA-YOUNG 8709 JV-P #001

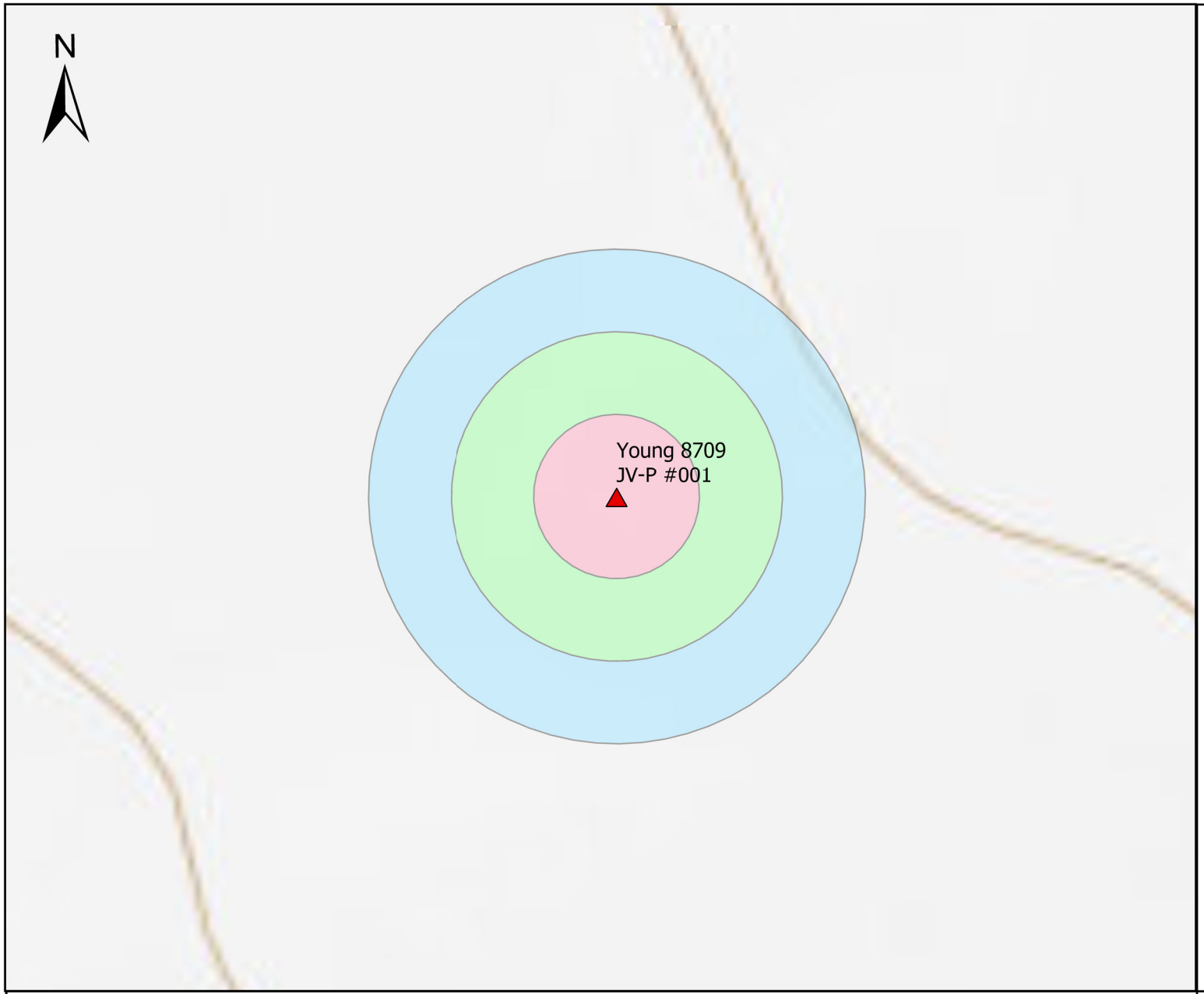
LRB Author

12/4/2019 Date

C&M SERVICES, LLC

Map 2

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LEGEND

- SPRINGS SEEPS
- STREAMS CANALS
- RIVERS
- FLOWLINES SENM
- LAKES PLAYAS
- FEMA FLOOD ZONES 2011
- POINT_OF_RELEASE

BUFFER DISTANCE

- 100 FEET
- 200 FEET
- 300 FEET

260 Feet

Surface Water Protection Map

Map 2

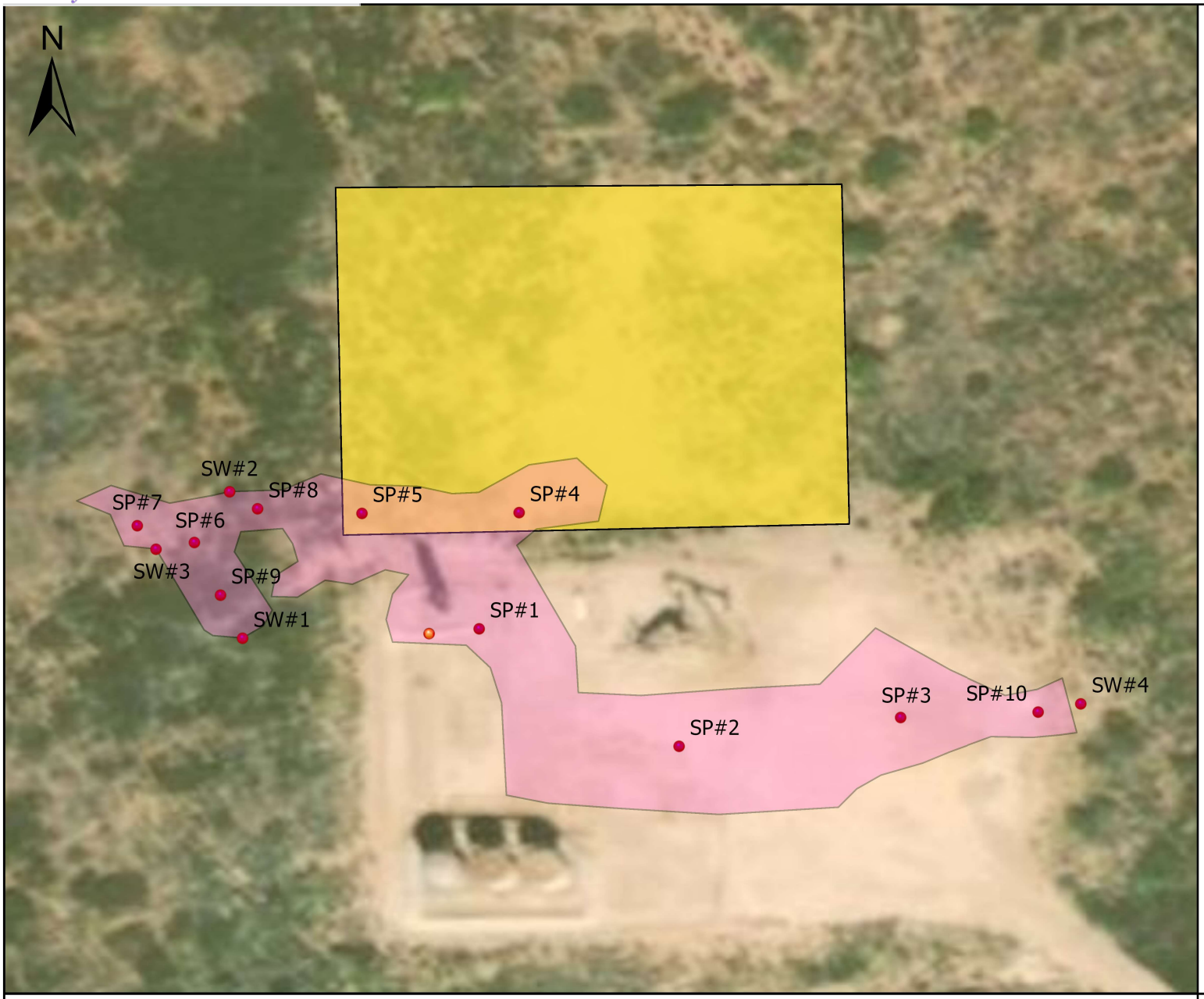
BTA-YOUNG 8709 JV-P #001

LRB Author

12/4/2019 Date

CM SERVICES, LLC

Map 3



LEGEND

- RELEASE LOCATION
- SAMPLE LOCATION
- RELEASE AREA
- OLD RESERVE PIT

110 Feet

Site and Sample Location Map

Map 3

BTA-YOUNG 8709 JV-P #001

JVH Author

1/20/2020 Date

C&M SERVICES, LLC

Tables

Table 2: Expert Environmental, LLC Sample Results

Sample ID	Date Sampled	Depth (feet bgs)	Cl-	Field screening	Field screening	BTEX	Benzene	GRO	DRO	MRO	*Total TPH*
			mg/Kg	Cl-	PID	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria			20,000			50	10	1000			2500
SP#1	8/12/2019	Surf	-	4498.00	18.50	-	-	-	-	-	-
		1'	-	10921.00	19.50	-	-	-	-	-	-
		2'	9860.00	9297.00	20.50	ND	ND	ND	ND	ND	ND
		3'	-	7747.00	17.00	-	-	-	-	-	-
		4'	-	9996.00	55.40	-	-	-	-	-	-
		5'	-	15295.00	19.70	-	-	-	-	-	-
		6'	-	11121.00	11.20	-	-	-	-	-	-
		7'	-	10696.00	11.20	-	-	-	-	-	-
		8'	9860.00	7072.00	3.00	ND	ND	ND	ND	ND	ND
SP#2	8/12/2019	Surf	-	10571.00	55.40	-	-	-	-	-	-
		1'	-	1999.00	12.90	-	-	-	-	-	-
		2'	416.00	799.00	19.50	ND	ND	ND	ND	ND	ND
		3'	-	1124.00	5.60	-	-	-	-	-	-
		4'	-	1249.00	14.20	-	-	-	-	-	-
		5'	-	1124.00	12.60	-	-	-	-	-	-
		6'	-	799.00	0.00	-	-	-	-	-	-
		7'	-	799.00	0.00	-	-	-	-	-	-
		8'	224.00	549.00	0.00	ND	ND	ND	ND	ND	ND
SP#3	8/12/2019	Surf	-	23492.00	22.80	-	-	-	-	-	-
		1'	-	5398.00	13.50	-	-	-	-	-	-
		2'	960.00	1124.00	2.90	ND	ND	ND	ND	ND	ND
		3'	-	1574.00	2.30	-	-	-	-	-	-
		4'	-	574.00	0.00	-	-	-	-	-	-
		5'	160.00	574.00	0.00	ND	ND	ND	ND	ND	ND
SP#4	8/12/2019	Surf	-	4998.00	12.60	-	-	-	-	-	-
		1'	-	3673.00	55.80	-	-	-	-	-	-
		2'	2120.00	2749.00	23.50	ND	ND	ND	98.00	-	132.80
		3'	-	2179.00	22.90	-	-	-	-	-	-
		4'	1380.00	1874.00	16.80	ND	ND	ND	157.00	-	201.20
		5'	-	1874.00	12.50	-	-	-	-	-	-
		6'	-	1524.00	0.00	-	-	-	-	-	-
		7'	-	1674.00	0.00	-	-	-	-	-	-
		8'	-	2749.00	0.00	-	-	-	-	-	-
		9'	-	3199.00	19.80	-	-	-	-	-	-
		10'	3520.00	3273.00	2.30	ND	ND	ND	ND	ND	ND
SP#5	8/12/2019	Surf	-	5598.00	55.40	-	-	-	-	-	-
		1'	-	1949.00	29.40	-	-	-	-	-	-
		2'	2800.00	2499.00	12.60	ND	ND	ND	ND	ND	ND
		3'	-	4998.00	0.00	-	-	-	-	-	-
		4'	2200.00	2499.00	0.00	ND	ND	ND	12.40	-	12.40
		5'	-	2499.00	0.00	-	-	-	-	-	-
		6'	-	3373.00	0.00	-	-	-	-	-	-
		7'	-	3174.00	0.00	-	-	-	-	-	-
		8'	-	1799.00	0.00	-	-	-	-	-	-
		9'	-	1499.00	0.00	-	-	-	-	-	-
		10'	1040.00	1449.00	0.00	ND	ND	ND	ND	ND	ND
SP#6	8/12/2019	Surf	-	2499.00	0.00	-	-	-	-	-	-
		1'	-	649.00	0.00	-	-	-	-	-	-
		2'	-	524.00	0.00	-	-	-	-	-	-
		3'	160.00	499.00	0.00	ND	ND	ND	53.30	-	70.70
		4'	-	499.00	0.00	-	-	-	-	-	-

*Sent to Lab for Analysis

Table 3: C&M Services, LLC Sample Results

Sample ID	Date Sampled	Depth (feet bgs)	Cl-	Field screening	BTEX	Benzene	GRO	DRO	MRO	*Total TPH*
			mg/Kg	Cl-	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria			20,000		50	10	1000			2500
SP#1	1/6/2020	8'	600	788	<0.212	<0.024	<4.7	<9.9	<50	<64.6
		9'	-	1149	-	-	-	-	-	-
		10'	-	1269	-	-	-	-	-	-
		11'	-	1265	-	-	-	-	-	-
		12'	1200	1351	<0.219	<0.024	<4.9	<9.6	<48	<62.5
		13'	-	1174	-	-	-	-	-	-
		14'	-	1145	-	-	-	-	-	-
		15'	-	939	-	-	-	-	-	-
		16'	-	852	-	-	-	-	-	-
		17'	-	751	-	-	-	-	-	-
		18'	-	559	-	-	-	-	-	-
		19'	-	650	-	-	-	-	-	-
		20'	300	524	-	-	-	-	-	-
		21'	-	448	-	-	-	-	-	-
		22'	130	322	-	-	-	-	-	-
		23'	-	361	-	-	-	-	-	-
		24'	-	393	-	-	-	-	-	-
		25'	-	394	-	-	-	-	-	-
		26'	-	423	-	-	-	-	-	-
		27'	-	390	-	-	-	-	-	-
		28'	-	337	-	-	-	-	-	-
		29'	-	332	-	-	-	-	-	-
		30'	-	347	-	-	-	-	-	-
SP#6	12/19/2019	Surf	-	113	-	-	-	-	-	-
		1'	<60	88	<0.224	<0.025	<5.0	<9.4	<47	<61.4
		2'	-	94	-	-	-	-	-	-
		3'	<60	86	<0.217	<0.024	<4.8	<9.5	<48	<62.3
		4'	-	73	-	-	-	-	-	-
SP#7	12/19/2019	Surf	-	127	-	-	-	-	-	-
		1'	<60	90	<0.213	<0.024	<4.7	<9.9	<50	<64.6
		2'	-	84	-	-	-	-	-	-
		3'	<60	67	<0.220	<0.024	<4.9	<9.2	<46	<60.1
SP#8	12/19/2019	Surf	-	65	-	-	-	-	-	-
		1'	<60	109	<0.224	<0.025	<5.0	<9.7	<48	<62.7
		2'	-	94	-	-	-	-	-	-
		3'	<60	60	<0.221	<0.025	<4.9	<9.7	<48	<62.6
SP#9	12/19/2019	Surf	-	74	-	-	-	-	-	-
		1'	<60	104	<0.215	<0.024	<4.8	<9.4	<47	<61.2
		2'	-	80	-	-	-	-	-	-
		3'	<60	81	<0.213	<0.024	<4.7	<9.7	<48	<62.40
SP#10	1/6/2020	Surf	-	62	-	-	-	-	-	-
		1'	<60	48	<0.224	<0.025	<5.0	<9.4	<47	<61.4
		2'	-	81	-	-	-	-	-	-
		3'	-	254	-	-	-	-	-	-
		4'	230	384	<0.221	<0.025	<4.9	<9.3	<46	<60.2
		5'	-	260	-	-	-	-	-	-
SW#1	12/19/2019	Surf	-	67	-	-	-	-	-	-
		1'	<60	90	<0.216	<0.024	<4.8	<9.7	<48	<62.5
		2'	-	133	-	-	-	-	-	-
		3'	<60	78	<0.207	<0.023	<4.6	<9.7	<49	<63.3
SW#2	12/19/2019	Surf	-	64	-	-	-	-	-	-
		1'	<59	65	<0.215	<0.024	<4.8	<9.9	<50	<64.7
		2'	-	71	-	-	-	-	-	-
		3'	<60	70	<0.219	<0.024	<4.9	<9.8	<49	<63.7
SW#3	12/19/2019	Surf	-	76	-	-	-	-	-	-
		1'	<60	65	<0.224	<0.025	<5.0	<9.5	<48	<62.5
		2'	-	90	-	-	-	-	-	-
		3'	<60	67	<0.221	<0.025	<4.9	<9.8	<49	<63.7
SW#4	1/6/2020	Surf	-	202	-	-	-	-	-	-
		1'	<60	58	<0.213	<0.024	<4.7	<9.0	<45	<58.7
		2'	-	24	-	-	-	-	-	-
		3'	<60	81	<0.225	<0.025	<5.0	<9.3	<46	<60.3

*Sent to Lab for Analysis

Appendix A
C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAB1907834716
District RP	1RP-5397
Facility ID	
Application ID	pAB1907834153

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # *(assigned by OCD)* NAB1907834716
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.76749° Longitude: -103.72988°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Young 8709 #1 Heater Treater	Site Type: Production Facility
Date Release Discovered: 2/20/2019	API# *(if applicable)* Nearest well: Young 8709 JV-P #1 API #30-025-30051

Unit Letter	Section	Township	Range	County
A	11	18S	32E	Lea

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

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) 5 BBL (vol of vessel)	Volume Recovered (bbls) 0 BBL
☒ Produced Water	Volume Released (bbls) 5 BBL (vol of vessel)	Volume Recovered (bbls) 0 BBL
	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
The separator vessel leaked due to corrosion.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1907834716
District RP	1RP-5397
Facility ID	
Application ID	pAB1907834153

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

Initial Response

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

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

If all the actions described above have 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: Bob Hall Title: Environmental Manager

Signature: Bob Hall Date: 3/7/2019

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Amalia Bustamante Date: 3/19/2019

Appendix B NMOSE Well Data

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 618964 **Northing (Y):** 3626225 **Radius:** 806

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.

Released to Imaging: 4/13/2026 10:32:30 AM

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 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 13909 POD1	L	LE	4	1	4	31	17S	33E	621735	3628514	3594	240	240	0
CP 00566 POD1	CP	LE	4	4	1	04	18S	32E	614960	3627280*	4140	133	65	68
L 06131	L	LE	3	1	2	08	18S	33E	623241	3626167*	4277	194	100	94

Average Depth to Water: **135 feet**

Minimum Depth: **65 feet**

Maximum Depth: **240 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 618964 **Northing (Y):** 3626225 **Radius:** 4500

***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.

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater ▼ Geographic Area: United States ▼ GO

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 324458103454301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324458103454301 18S.32E.16.22433

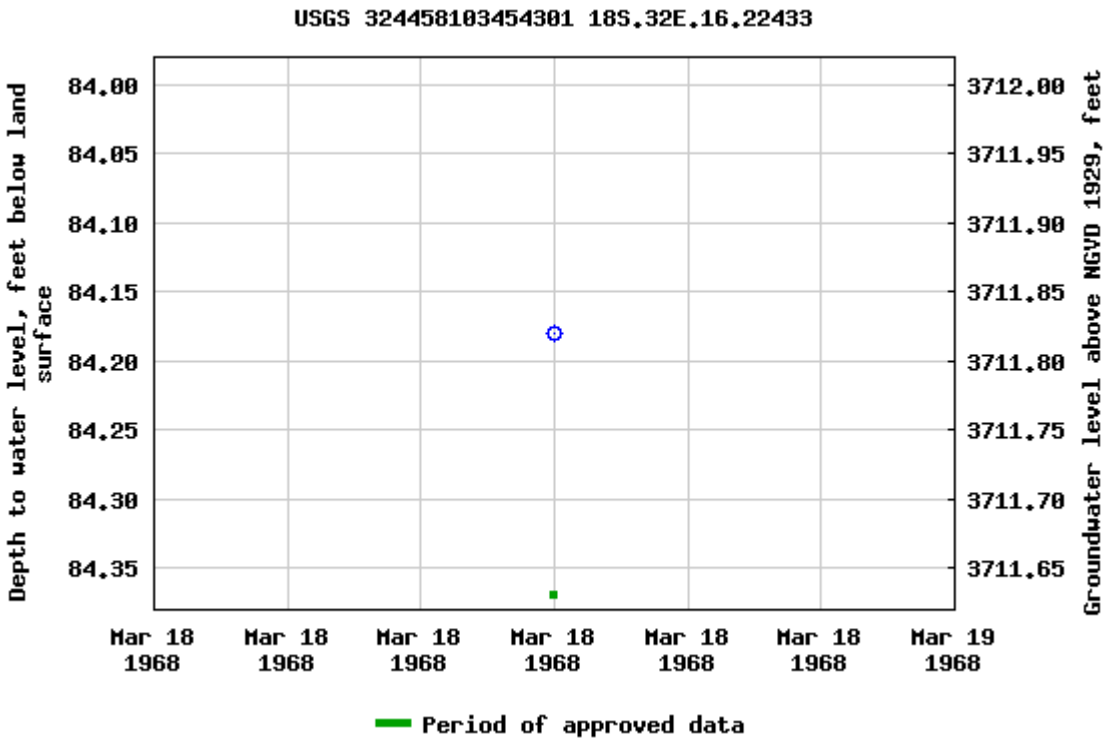
Available data for this site Groundwater: Field measurements ▼ GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°45'05", Longitude 103°45'51" NAD27
Land-surface elevation 3,796.00 feet above NGVD29
The depth of the well is 100 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

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Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility Plug-Ins FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2019-12-04 11:28:37 EST
7.3 0.47 nadww02

Released to Imaging: 4/13/2026 10:32:50 AM

Appendix C Analytical Data

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 31, 2019

Jacqui Harris
CM Services
312 N. Canal Suite C
Carlsbad, NM 88220
TEL: (575) 499-5306
FAX

RE: Young 001 OrderNo.: 1912B50

Dear Jacqui Harris:

Hall Environmental Analysis Laboratory received 14 sample(s) on 12/21/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

CLIENT: CM Services
Project: Young 001
Lab ID: 1912B50-001 **Matrix:** SOIL

Client Sample ID: SP#6@1
Collection Date: 12/19/2019 10:10:00 AM
Received Date: 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	12/28/2019 2:50:54 AM	49542
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/26/2019 9:09:14 AM	49508
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/26/2019 9:09:14 AM	49508
Surr: DNOP	109	70-130		%Rec	1	12/26/2019 9:09:14 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/24/2019 1:04:52 PM	49491
Surr: BFB	80.2	66.6-105		%Rec	1	12/24/2019 1:04:52 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/24/2019 1:04:52 PM	49491
Toluene	ND	0.050		mg/Kg	1	12/24/2019 1:04:52 PM	49491
Ethylbenzene	ND	0.050		mg/Kg	1	12/24/2019 1:04:52 PM	49491
Xylenes, Total	ND	0.099		mg/Kg	1	12/24/2019 1:04:52 PM	49491
Surr: 4-Bromofluorobenzene	97.8	80-120		%Rec	1	12/24/2019 1:04:52 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

CLIENT: CM Services
Project: Young 001
Lab ID: 1912B50-002 **Matrix:** SOIL

Client Sample ID: SP#6@3
Collection Date: 12/19/2019 10:15:00 AM
Received Date: 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	12/28/2019 3:27:57 AM	49542
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/26/2019 10:15:07 AM	49508
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/26/2019 10:15:07 AM	49508
Surr: DNOP	88.2	70-130		%Rec	1	12/26/2019 10:15:07 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2019 2:15:36 PM	49491
Surr: BFB	78.2	66.6-105		%Rec	1	12/24/2019 2:15:36 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/24/2019 2:15:36 PM	49491
Toluene	ND	0.048		mg/Kg	1	12/24/2019 2:15:36 PM	49491
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2019 2:15:36 PM	49491
Xylenes, Total	ND	0.097		mg/Kg	1	12/24/2019 2:15:36 PM	49491
Surr: 4-Bromofluorobenzene	95.8	80-120		%Rec	1	12/24/2019 2:15:36 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

CLIENT: CM Services
Project: Young 001
Lab ID: 1912B50-003 **Matrix:** SOIL

Client Sample ID: SP#7@1
Collection Date: 12/19/2019 10:20:00 AM
Received Date: 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 2:25:51 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/26/2019 10:37:05 AM	49508
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/26/2019 10:37:05 AM	49508
Surr: DNOP	94.4	70-130		%Rec	1	12/26/2019 10:37:05 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/24/2019 2:39:12 PM	49491
Surr: BFB	77.8	66.6-105		%Rec	1	12/24/2019 2:39:12 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/24/2019 2:39:12 PM	49491
Toluene	ND	0.047		mg/Kg	1	12/24/2019 2:39:12 PM	49491
Ethylbenzene	ND	0.047		mg/Kg	1	12/24/2019 2:39:12 PM	49491
Xylenes, Total	ND	0.095		mg/Kg	1	12/24/2019 2:39:12 PM	49491
Surr: 4-Bromofluorobenzene	95.3	80-120		%Rec	1	12/24/2019 2:39:12 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CM Services
Client Sample ID: SP#7@3
Project: Young 001
Collection Date: 12/19/2019 10:25:00 AM
Lab ID: 1912B50-004 **Matrix:** SOIL **Received Date:** 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 3:40:18 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/26/2019 10:59:04 AM	49508
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/26/2019 10:59:04 AM	49508
Surr: DNOP	85.1	70-130		%Rec	1	12/26/2019 10:59:04 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/24/2019 3:02:49 PM	49491
Surr: BFB	78.9	66.6-105		%Rec	1	12/24/2019 3:02:49 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/24/2019 3:02:49 PM	49491
Toluene	ND	0.049		mg/Kg	1	12/24/2019 3:02:49 PM	49491
Ethylbenzene	ND	0.049		mg/Kg	1	12/24/2019 3:02:49 PM	49491
Xylenes, Total	ND	0.098		mg/Kg	1	12/24/2019 3:02:49 PM	49491
Surr: 4-Bromofluorobenzene	96.7	80-120		%Rec	1	12/24/2019 3:02:49 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

CLIENT: CM Services
Project: Young 001
Lab ID: 1912B50-005 **Matrix:** SOIL

Client Sample ID: SP#8@1
Collection Date: 12/19/2019 10:30:00 AM
Received Date: 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 6:09:16 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/26/2019 11:20:58 AM	49508
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/26/2019 11:20:58 AM	49508
Surr: DNOP	95.7	70-130		%Rec	1	12/26/2019 11:20:58 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/24/2019 3:26:24 PM	49491
Surr: BFB	78.6	66.6-105		%Rec	1	12/24/2019 3:26:24 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/24/2019 3:26:24 PM	49491
Toluene	ND	0.050		mg/Kg	1	12/24/2019 3:26:24 PM	49491
Ethylbenzene	ND	0.050		mg/Kg	1	12/24/2019 3:26:24 PM	49491
Xylenes, Total	ND	0.099		mg/Kg	1	12/24/2019 3:26:24 PM	49491
Surr: 4-Bromofluorobenzene	96.3	80-120		%Rec	1	12/24/2019 3:26:24 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CM Services
Client Sample ID: SP#8@3
Project: Young 001
Collection Date: 12/19/2019 10:35:00 AM
Lab ID: 1912B50-006 **Matrix:** SOIL **Received Date:** 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 6:46:30 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/26/2019 11:43:03 AM	49508
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/26/2019 11:43:03 AM	49508
Surr: DNOP	76.8	70-130		%Rec	1	12/26/2019 11:43:03 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/24/2019 3:49:54 PM	49491
Surr: BFB	79.4	66.6-105		%Rec	1	12/24/2019 3:49:54 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/24/2019 3:49:54 PM	49491
Toluene	ND	0.049		mg/Kg	1	12/24/2019 3:49:54 PM	49491
Ethylbenzene	ND	0.049		mg/Kg	1	12/24/2019 3:49:54 PM	49491
Xylenes, Total	ND	0.098		mg/Kg	1	12/24/2019 3:49:54 PM	49491
Surr: 4-Bromofluorobenzene	97.4	80-120		%Rec	1	12/24/2019 3:49:54 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

CLIENT: CM Services
Project: Young 001
Lab ID: 1912B50-007 **Matrix:** SOIL

Client Sample ID: SP#9@1
Collection Date: 12/19/2019 10:40:00 AM
Received Date: 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 6:58:55 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/26/2019 8:35:02 AM	49508
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/26/2019 8:35:02 AM	49508
Surr: DNOP	117	70-130		%Rec	1	12/26/2019 8:35:02 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2019 4:13:27 PM	49491
Surr: BFB	79.1	66.6-105		%Rec	1	12/24/2019 4:13:27 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/24/2019 4:13:27 PM	49491
Toluene	ND	0.048		mg/Kg	1	12/24/2019 4:13:27 PM	49491
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2019 4:13:27 PM	49491
Xylenes, Total	ND	0.095		mg/Kg	1	12/24/2019 4:13:27 PM	49491
Surr: 4-Bromofluorobenzene	97.2	80-120		%Rec	1	12/24/2019 4:13:27 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CM Services
Client Sample ID: SP#9@3
Project: Young 001
Collection Date: 12/19/2019 10:45:00 AM
Lab ID: 1912B50-008 **Matrix:** SOIL **Received Date:** 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 4:17:33 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/26/2019 8:59:17 AM	49508
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/26/2019 8:59:17 AM	49508
Surr: DNOP	107	70-130		%Rec	1	12/26/2019 8:59:17 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/24/2019 5:47:33 PM	49491
Surr: BFB	77.6	66.6-105		%Rec	1	12/24/2019 5:47:33 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/24/2019 5:47:33 PM	49491
Toluene	ND	0.047		mg/Kg	1	12/24/2019 5:47:33 PM	49491
Ethylbenzene	ND	0.047		mg/Kg	1	12/24/2019 5:47:33 PM	49491
Xylenes, Total	ND	0.095		mg/Kg	1	12/24/2019 5:47:33 PM	49491
Surr: 4-Bromofluorobenzene	95.4	80-120		%Rec	1	12/24/2019 5:47:33 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

CLIENT: CM Services
Project: Young 001
Lab ID: 1912B50-009 **Matrix:** SOIL

Client Sample ID: SW1@1
Collection Date: 12/19/2019 10:50:00 AM
Received Date: 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 4:29:58 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/26/2019 9:23:21 AM	49508
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/26/2019 9:23:21 AM	49508
Surr: DNOP	121	70-130		%Rec	1	12/26/2019 9:23:21 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2019 6:11:03 PM	49491
Surr: BFB	77.0	66.6-105		%Rec	1	12/24/2019 6:11:03 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/24/2019 6:11:03 PM	49491
Toluene	ND	0.048		mg/Kg	1	12/24/2019 6:11:03 PM	49491
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2019 6:11:03 PM	49491
Xylenes, Total	ND	0.096		mg/Kg	1	12/24/2019 6:11:03 PM	49491
Surr: 4-Bromofluorobenzene	93.8	80-120		%Rec	1	12/24/2019 6:11:03 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CM Services
Project: Young 001
Lab ID: 1912B50-010 **Matrix:** SOIL

Client Sample ID: SW1@3
Collection Date: 12/19/2019 10:55:00 AM
Received Date: 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 4:42:24 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/26/2019 9:47:43 AM	49508
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/26/2019 9:47:43 AM	49508
Surr: DNOP	88.2	70-130		%Rec	1	12/26/2019 9:47:43 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/24/2019 6:34:32 PM	49491
Surr: BFB	75.8	66.6-105		%Rec	1	12/24/2019 6:34:32 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	12/24/2019 6:34:32 PM	49491
Toluene	ND	0.046		mg/Kg	1	12/24/2019 6:34:32 PM	49491
Ethylbenzene	ND	0.046		mg/Kg	1	12/24/2019 6:34:32 PM	49491
Xylenes, Total	ND	0.092		mg/Kg	1	12/24/2019 6:34:32 PM	49491
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	12/24/2019 6:34:32 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CM Services
Client Sample ID: SW2@1
Project: Young 001
Collection Date: 12/19/2019 11:00:00 AM
Lab ID: 1912B50-011 **Matrix:** SOIL **Received Date:** 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	59		mg/Kg	20	12/30/2019 4:54:49 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/26/2019 10:11:51 AM	49508
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/26/2019 10:11:51 AM	49508
Surr: DNOP	84.9	70-130		%Rec	1	12/26/2019 10:11:51 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2019 6:58:00 PM	49491
Surr: BFB	78.1	66.6-105		%Rec	1	12/24/2019 6:58:00 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/24/2019 6:58:00 PM	49491
Toluene	ND	0.048		mg/Kg	1	12/24/2019 6:58:00 PM	49491
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2019 6:58:00 PM	49491
Xylenes, Total	ND	0.095		mg/Kg	1	12/24/2019 6:58:00 PM	49491
Surr: 4-Bromofluorobenzene	96.0	80-120		%Rec	1	12/24/2019 6:58:00 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

CLIENT: CM Services
Project: Young 001
Lab ID: 1912B50-012 **Matrix:** SOIL

Client Sample ID: SW2@3
Collection Date: 12/19/2019 11:05:00 AM
Received Date: 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 5:07:13 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/26/2019 10:36:05 AM	49508
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/26/2019 10:36:05 AM	49508
Surr: DNOP	84.9	70-130		%Rec	1	12/26/2019 10:36:05 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/24/2019 7:21:32 PM	49491
Surr: BFB	76.7	66.6-105		%Rec	1	12/24/2019 7:21:32 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	12/24/2019 7:21:32 PM	49491
Toluene	ND	0.049		mg/Kg	1	12/24/2019 7:21:32 PM	49491
Ethylbenzene	ND	0.049		mg/Kg	1	12/24/2019 7:21:32 PM	49491
Xylenes, Total	ND	0.097		mg/Kg	1	12/24/2019 7:21:32 PM	49491
Surr: 4-Bromofluorobenzene	94.2	80-120		%Rec	1	12/24/2019 7:21:32 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CM Services
Project: Young 001
Lab ID: 1912B50-013 **Matrix:** SOIL

Client Sample ID: SW3@1
Collection Date: 12/19/2019 11:10:00 AM
Received Date: 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 5:19:38 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/26/2019 11:00:12 AM	49508
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/26/2019 11:00:12 AM	49508
Surr: DNOP	96.3	70-130		%Rec	1	12/26/2019 11:00:12 AM	49508
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/24/2019 7:45:02 PM	49491
Surr: BFB	80.7	66.6-105		%Rec	1	12/24/2019 7:45:02 PM	49491
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/24/2019 7:45:02 PM	49491
Toluene	ND	0.050		mg/Kg	1	12/24/2019 7:45:02 PM	49491
Ethylbenzene	ND	0.050		mg/Kg	1	12/24/2019 7:45:02 PM	49491
Xylenes, Total	ND	0.099		mg/Kg	1	12/24/2019 7:45:02 PM	49491
Surr: 4-Bromofluorobenzene	99.4	80-120		%Rec	1	12/24/2019 7:45:02 PM	49491

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1912B50**
Date Reported: **12/31/2019**

CLIENT: CM Services
Project: Young 001
Lab ID: 1912B50-014 **Matrix:** SOIL

Client Sample ID: SW3@3
Collection Date: 12/19/2019 11:15:00 AM
Received Date: 12/21/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	12/30/2019 5:32:02 PM	49558
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/27/2019 11:44:21 AM	49535
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/27/2019 11:44:21 AM	49535
Surr: DNOP	84.4	70-130		%Rec	1	12/27/2019 11:44:21 AM	49535
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/27/2019 3:57:13 PM	49528
Surr: BFB	79.7	66.6-105		%Rec	1	12/27/2019 3:57:13 PM	49528
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	12/27/2019 3:57:13 PM	49528
Toluene	ND	0.049		mg/Kg	1	12/27/2019 3:57:13 PM	49528
Ethylbenzene	ND	0.049		mg/Kg	1	12/27/2019 3:57:13 PM	49528
Xylenes, Total	ND	0.098		mg/Kg	1	12/27/2019 3:57:13 PM	49528
Surr: 4-Bromofluorobenzene	97.8	80-120		%Rec	1	12/27/2019 3:57:13 PM	49528

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1912B50**
31-Dec-19

Client: CM Services
Project: Young 001

Sample ID: **MB-49542**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **49542**	RunNo: **65455**							
Prep Date: **12/27/2019**	Analysis Date: **12/27/2019**	SeqNo: **2248446**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49542**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **49542**	RunNo: **65455**							
Prep Date: **12/27/2019**	Analysis Date: **12/27/2019**	SeqNo: **2248447**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Sample ID: **MB-49558**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **49558**	RunNo: **65473**							
Prep Date: **12/30/2019**	Analysis Date: **12/30/2019**	SeqNo: **2249602**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49558**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **49558**	RunNo: **65473**							
Prep Date: **12/30/2019**	Analysis Date: **12/30/2019**	SeqNo: **2249603**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.1	90	110			

Sample ID: **1912B50-003AMSD**	SampType: **msd**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **SP#7@1**	Batch ID: **49558**	RunNo: **65473**							
Prep Date: **12/30/2019**	Analysis Date: **12/30/2019**	SeqNo: **2249606**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	60	30.00	0	0	54.2	146	0	20	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1912B50**
31-Dec-19

Client: CM Services
Project: Young 001

Sample ID: **1912B50-001AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SP#6@1** Batch ID: **49508** RunNo: **65397**
Prep Date: **12/24/2019** Analysis Date: **12/26/2019** SeqNo: **2246631** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	9.8	48.78	0	114	57	142			
Surr: DNOP	5.5		4.878		113	70	130			

Sample ID: **LCS-49508** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49508** RunNo: **65397**
Prep Date: **12/24/2019** Analysis Date: **12/26/2019** SeqNo: **2246632** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	114	63.9	124			
Surr: DNOP	5.8		5.000		115	70	130			

Sample ID: **MB-49508** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49508** RunNo: **65397**
Prep Date: **12/24/2019** Analysis Date: **12/26/2019** SeqNo: **2246633** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	70	130			

Sample ID: **1912B50-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SP#6@1** Batch ID: **49508** RunNo: **65397**
Prep Date: **12/24/2019** Analysis Date: **12/26/2019** SeqNo: **2246665** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.9	49.46	0	100	57	142	12.1	20	
Surr: DNOP	4.6		4.946		93.3	70	130	0	0	

Sample ID: **LCS-49535** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49535** RunNo: **65437**
Prep Date: **12/27/2019** Analysis Date: **12/27/2019** SeqNo: **2247854** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	63.9	124			
Surr: DNOP	4.5		5.000		90.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1912B50**
31-Dec-19

Client: CM Services
Project: Young 001

Sample ID: **MB-49535**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **49535**	RunNo: **65437**
Prep Date: **12/27/2019**	Analysis Date: **12/27/2019**	SeqNo: **2247855** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1912B50**

31-Dec-19

Client: CM Services

Project: Young 001

Sample ID: **mb-49491**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **49491**	RunNo: **65395**
Prep Date: **12/23/2019**	Analysis Date: **12/24/2019**	SeqNo: **2246473** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	790		1000		79.2	66.6	105			

Sample ID: **lcs-49491**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **49491**	RunNo: **65395**
Prep Date: **12/23/2019**	Analysis Date: **12/24/2019**	SeqNo: **2246474** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.9	80	120			
Surr: BFB	920		1000		92.5	66.6	105			

Sample ID: **MB-49528**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **49528**	RunNo: **65453**
Prep Date: **12/26/2019**	Analysis Date: **12/27/2019**	SeqNo: **2248318** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	820		1000		82.2	66.6	105			

Sample ID: **LCS-49528**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **49528**	RunNo: **65453**
Prep Date: **12/26/2019**	Analysis Date: **12/27/2019**	SeqNo: **2248319** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.4	80	120			
Surr: BFB	870		1000		87.2	66.6	105			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1912B50**
31-Dec-19

Client: CM Services
Project: Young 001

Sample ID: **mb-49491**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **49491**	RunNo: **65395**
Prep Date: **12/23/2019**	Analysis Date: **12/24/2019**	SeqNo: **2246497** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	80	120			

Sample ID: **LCS-49491**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **49491**	RunNo: **65395**
Prep Date: **12/23/2019**	Analysis Date: **12/24/2019**	SeqNo: **2246498** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	80	120			
Toluene	0.94	0.050	1.000	0	94.1	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID: **1912b50-001ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SP#6@1**	Batch ID: **49491**	RunNo: **65395**
Prep Date: **12/23/2019**	Analysis Date: **12/24/2019**	SeqNo: **2246500** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9775	0	111	76	123			
Toluene	1.1	0.049	0.9775	0.01011	111	80.3	127			
Ethylbenzene	1.1	0.049	0.9775	0.01080	112	80.2	131			
Xylenes, Total	3.3	0.098	2.933	0.01695	113	78	133			
Surr: 4-Bromofluorobenzene	1.0		0.9775		103	80	120			

Sample ID: **1912b50-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SP#6@1**	Batch ID: **49491**	RunNo: **65395**
Prep Date: **12/23/2019**	Analysis Date: **12/24/2019**	SeqNo: **2246501** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.023	0.9398	0	109	76	123	5.38	20	
Toluene	1.0	0.047	0.9398	0.01011	109	80.3	127	5.71	20	
Ethylbenzene	1.1	0.047	0.9398	0.01080	112	80.2	131	4.08	20	
Xylenes, Total	3.2	0.094	2.820	0.01695	112	78	133	4.26	20	
Surr: 4-Bromofluorobenzene	0.93		0.9398		98.5	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1912B50**
31-Dec-19

Client: CM Services
Project: Young 001

Sample ID: **MB-49528**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **49528**	RunNo: **65453**
Prep Date: **12/26/2019**	Analysis Date: **12/27/2019**	SeqNo: **2248345** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID: **LCS-49528**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **49528**	RunNo: **65453**
Prep Date: **12/26/2019**	Analysis Date: **12/27/2019**	SeqNo: **2248346** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.3	80	120			
Toluene	0.96	0.050	1.000	0	96.3	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.6	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.3	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **CM SERVICES** Work Order Number: **1912B50** RcptNo: 1

Received By: **Yazmine Garduno** **12/21/2019 9:30:00 AM**

Completed By: **Yazmine Garduno** **12/21/2019 11:11:09 AM**

Reviewed By: ENM 12/23/19

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: DM 12/23/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.5	Good				

Chain-of-Custody Record

Client: C & M Services LLC

Mailing Address: 312 S. Canal Suite C, Carlsbad NM 88220

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 5 DAY

Project Name: Young #001

Project #:

Project Manager: J. Harris

Sampler: LAB

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 5.3+0.2=5.5 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1412850	BTEX / MTBE / TMB's (8021)	TPH 8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12.9.19	10:10	soil	SP # 1 @ 1	4oz		-001	X	X					X			
	10:15		SP # 1 @ 3			-002	X	X					X			
	10:20		SP # 7 @ 1			-003	X	X					X			
	10:25		SP # 7 @ 3			-004	X	X					X			
	10:30		SP # 8 @ 1			-005	X	X					X			
	10:35		SP # 8 @ 3			-006	X	X					X			
	10:40		SP # 9 @ 1			-007	X	X					X			
	10:45		SP # 9 @ 3			-008	X	X					X			
	10:50		SW 1 @ 1			-009	X	X					X			
	10:55		SW 1 @ 3			-010	X	X					X			
	11:00		SW 2 @ 1			-011	X	X					X			
	11:05		SW 2 @ 3			-012	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12.20.19	11:00	Samantha Watson			12/20	12:30
12/20	1900		VM Carrier		12/21/19	0730

Remarks: BTA

1/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Released to Imaging: 4/13/2026 10:32:30 AM
Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

Received by OCD: 3/16/2026 12:53:43 PM

Chain-of-Custody Record

Client: C&M Services LLC

Mailing Address: 312 S. Canal Suite C, Carlsbad NM 88220

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 5 DAY

Project Name: Young #001

Project #:

Project Manager: J. Harris

Sampler: LRB
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 5.3+0.2=5.5 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1911235U	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12.19.19	11:10	soil	SW3@1	4oz		-013	X	X					X			
↓	11:15	↓	SW3@3	↓		-014	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12.20.19	11:30	Samantha Watson	Chelsea Garcia		12/20	12:30
12.20	1900	Chelsea Garcia	[illegible] Carrier		12/21/19	0931

Remarks:
BTA

2 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 15, 2020

Jacqui Harris
CM Services
312 N. Canal Suite C
Carlsbad, NM 88220
TEL: (575) 499-5306
FAX

RE: Young 001 OrderNo.: 2001229

Dear Jacqui Harris:

Hall Environmental Analysis Laboratory received 8 sample(s) on 1/8/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2001229**
Date Reported: **1/15/2020**

CLIENT: CM Services
Project: Young 001
Lab ID: 2001229-001 **Matrix:** SOIL

Client Sample ID: SP#1-8'
Collection Date: 1/6/2020 9:50:00 AM
Received Date: 1/8/2020 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	600	60		mg/Kg	20	1/10/2020 7:39:11 PM	49749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/10/2020 2:38:02 PM	49717
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/10/2020 2:38:02 PM	49717
Surr: DNOP	98.3	55.1-146		%Rec	1	1/10/2020 2:38:02 PM	49717
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/9/2020 4:51:41 PM	49708
Surr: BFB	85.0	66.6-105		%Rec	1	1/9/2020 4:51:41 PM	49708
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	1/9/2020 4:51:41 PM	49708
Toluene	ND	0.047		mg/Kg	1	1/9/2020 4:51:41 PM	49708
Ethylbenzene	ND	0.047		mg/Kg	1	1/9/2020 4:51:41 PM	49708
Xylenes, Total	ND	0.094		mg/Kg	1	1/9/2020 4:51:41 PM	49708
Surr: 4-Bromofluorobenzene	95.4	80-120		%Rec	1	1/9/2020 4:51:41 PM	49708

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2001229**
Date Reported: **1/15/2020**

CLIENT: CM Services
Project: Young 001
Lab ID: 2001229-002 **Matrix:** SOIL

Client Sample ID: SP#1-12'
Collection Date: 1/6/2020 9:55:00 AM
Received Date: 1/8/2020 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1200	60		mg/Kg	20	1/10/2020 7:51:32 PM	49749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/10/2020 2:59:59 PM	49717
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/10/2020 2:59:59 PM	49717
Surr: DNOP	106	55.1-146		%Rec	1	1/10/2020 2:59:59 PM	49717
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/9/2020 5:15:23 PM	49708
Surr: BFB	89.1	66.6-105		%Rec	1	1/9/2020 5:15:23 PM	49708
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	1/9/2020 5:15:23 PM	49708
Toluene	ND	0.049		mg/Kg	1	1/9/2020 5:15:23 PM	49708
Ethylbenzene	ND	0.049		mg/Kg	1	1/9/2020 5:15:23 PM	49708
Xylenes, Total	ND	0.097		mg/Kg	1	1/9/2020 5:15:23 PM	49708
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	1/9/2020 5:15:23 PM	49708

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2001229**
Date Reported: **1/15/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CM Services
Project: Young 001
Lab ID: 2001229-003 **Matrix:** SOIL

Client Sample ID: SP#1-20'
Collection Date: 1/6/2020 10:10:00 AM
Received Date: 1/8/2020 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	300	60		mg/Kg	20	1/10/2020 8:28:34 PM	49749

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2001229**
Date Reported: **1/15/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CM Services
Project: Young 001
Lab ID: 2001229-004 **Matrix:** SOIL

Client Sample ID: SP#1-22'
Collection Date: 1/6/2020 10:15:00 AM
Received Date: 1/8/2020 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	130	59		mg/Kg	20	1/14/2020 2:44:47 PM	49749

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2001229**
Date Reported: **1/15/2020**

CLIENT: CM Services
Project: Young 001
Lab ID: 2001229-005 **Matrix:** SOIL

Client Sample ID: SP#10-1'
Collection Date: 1/6/2020 10:30:00 AM
Received Date: 1/8/2020 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	1/14/2020 2:57:12 PM	49749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**BRM**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/10/2020 3:21:55 PM	49717
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/10/2020 3:21:55 PM	49717
Surr: DNOP	99.4	55.1-146		%Rec	1	1/10/2020 3:21:55 PM	49717
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/9/2020 5:39:06 PM	49708
Surr: BFB	82.3	66.6-105		%Rec	1	1/9/2020 5:39:06 PM	49708
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	1/9/2020 5:39:06 PM	49708
Toluene	ND	0.050		mg/Kg	1	1/9/2020 5:39:06 PM	49708
Ethylbenzene	ND	0.050		mg/Kg	1	1/9/2020 5:39:06 PM	49708
Xylenes, Total	ND	0.099		mg/Kg	1	1/9/2020 5:39:06 PM	49708
Surr: 4-Bromofluorobenzene	92.4	80-120		%Rec	1	1/9/2020 5:39:06 PM	49708

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2001229**
Date Reported: **1/15/2020**

CLIENT: CM Services
Project: Young 001
Lab ID: 2001229-006 **Matrix:** SOIL

Client Sample ID: SP#10-4'
Collection Date: 1/6/2020 10:35:00 AM
Received Date: 1/8/2020 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	230	59		mg/Kg	20	1/14/2020 3:34:26 PM	49749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**BRM**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/10/2020 3:43:44 PM	49717
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/10/2020 3:43:44 PM	49717
Surr: DNOP	73.3	55.1-146		%Rec	1	1/10/2020 3:43:44 PM	49717
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/9/2020 6:02:44 PM	49708
Surr: BFB	82.6	66.6-105		%Rec	1	1/9/2020 6:02:44 PM	49708
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.025		mg/Kg	1	1/9/2020 6:02:44 PM	49708
Toluene	ND	0.049		mg/Kg	1	1/9/2020 6:02:44 PM	49708
Ethylbenzene	ND	0.049		mg/Kg	1	1/9/2020 6:02:44 PM	49708
Xylenes, Total	ND	0.098		mg/Kg	1	1/9/2020 6:02:44 PM	49708
Surr: 4-Bromofluorobenzene	93.2	80-120		%Rec	1	1/9/2020 6:02:44 PM	49708

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2001229**
Date Reported: **1/15/2020**

CLIENT: CM Services
Project: Young 001
Lab ID: 2001229-007 **Matrix:** SOIL

Client Sample ID: SW#4-1'
Collection Date: 1/6/2020 10:50:00 AM
Received Date: 1/8/2020 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	1/14/2020 3:46:50 PM	49749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**BRM**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	1/10/2020 4:05:48 PM	49717
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/10/2020 4:05:48 PM	49717
Surr: DNOP	75.7	55.1-146		%Rec	1	1/10/2020 4:05:48 PM	49717
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/9/2020 6:26:21 PM	49708
Surr: BFB	83.1	66.6-105		%Rec	1	1/9/2020 6:26:21 PM	49708
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	1/9/2020 6:26:21 PM	49708
Toluene	ND	0.047		mg/Kg	1	1/9/2020 6:26:21 PM	49708
Ethylbenzene	ND	0.047		mg/Kg	1	1/9/2020 6:26:21 PM	49708
Xylenes, Total	ND	0.095		mg/Kg	1	1/9/2020 6:26:21 PM	49708
Surr: 4-Bromofluorobenzene	93.9	80-120		%Rec	1	1/9/2020 6:26:21 PM	49708

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2001229**
Date Reported: **1/15/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CM Services
Project: Young 001
Lab ID: 2001229-008 **Matrix:** SOIL

Client Sample ID: SW#4-3'
Collection Date: 1/6/2020 10:55:00 AM
Received Date: 1/8/2020 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	1/14/2020 3:59:14 PM	49749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/10/2020 4:27:45 PM	49717
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/10/2020 4:27:45 PM	49717
Surr: DNOP	95.2	55.1-146		%Rec	1	1/10/2020 4:27:45 PM	49717
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/9/2020 6:49:58 PM	49708
Surr: BFB	85.6	66.6-105		%Rec	1	1/9/2020 6:49:58 PM	49708
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	1/9/2020 6:49:58 PM	49708
Toluene	ND	0.050		mg/Kg	1	1/9/2020 6:49:58 PM	49708
Ethylbenzene	ND	0.050		mg/Kg	1	1/9/2020 6:49:58 PM	49708
Xylenes, Total	ND	0.10		mg/Kg	1	1/9/2020 6:49:58 PM	49708
Surr: 4-Bromofluorobenzene	97.1	80-120		%Rec	1	1/9/2020 6:49:58 PM	49708

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2001229**
15-Jan-20

Client: CM Services
Project: Young 001

Sample ID: **MB-49749**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **49749**	RunNo: **65712**							
Prep Date: **1/10/2020**	Analysis Date: **1/10/2020**	SeqNo: **2257076**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-49749**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **49749**	RunNo: **65712**							
Prep Date: **1/10/2020**	Analysis Date: **1/10/2020**	SeqNo: **2257077**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2001229**
15-Jan-20

Client: CM Services
Project: Young 001

Sample ID: **LCS-49717** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **49717** RunNo: **65691**
Prep Date: **1/9/2020** Analysis Date: **1/10/2020** SeqNo: **2256625** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	63.9	124			
Surr: DNOP	4.8		5.000		95.9	55.1	146			

Sample ID: **MB-49717** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **49717** RunNo: **65691**
Prep Date: **1/9/2020** Analysis Date: **1/10/2020** SeqNo: **2256626** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		105	55.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2001229**

15-Jan-20

Client: CM Services

Project: Young 001

Sample ID: **mb-49708**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **49708**	RunNo: **65680**
Prep Date: **1/8/2020**	Analysis Date: **1/9/2020**	SeqNo: **2256104** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		93.6	66.6	105			

Sample ID: **lcs-49708**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **49708**	RunNo: **65680**
Prep Date: **1/8/2020**	Analysis Date: **1/9/2020**	SeqNo: **2256105** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.1	80	120			
Surr: BFB	990		1000		99.3	66.6	105			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2001229**
15-Jan-20

Client: CM Services
Project: Young 001

Sample ID: **mb-49708**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **49708**	RunNo: **65680**							
Prep Date: **1/8/2020**	Analysis Date: **1/9/2020**	SeqNo: **2256130**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID: **LCS-49708**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **49708**	RunNo: **65680**							
Prep Date: **1/8/2020**	Analysis Date: **1/9/2020**	SeqNo: **2256131**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.2	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.9	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **CM SERVICES** Work Order Number: **2001229** RcptNo: **1**

Received By: **Daniel Marquez** **1/8/2020 10:30:00 AM**

Completed By: **Isaiah Ortiz** **1/8/2020 11:31:10 AM**

Reviewed By: YG 1/8/20

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JR 1/8/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good	Not Present			

Released to Imaging: 4/13/2026 10:32:30 AM
Received by OCD: 3/16/2026 12:53:43 PM

Chain-of-Custody Record

Client: C & M Services - Carlsbad

Mailing Address: 312 N. Canal Ste. C Carlsbad, NM 88220

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 5-day

Project Name: Young # 001

Project #:

Project Manager: Jacqui Harris

Sampler: LRB

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.8+0.1=0.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2001229	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1/6/20	9:50	Soil	SP#1-8'	4 oz		-001	X	X					X			
	9:55		SP#1-12'			-002	X	X								
	10:10		SP#1-20'			-003										
	10:15		SP#1-22'			-004										
	10:30		SP#10-1'			-005	X	X								
	10:35		SP#10-4'			-006	X	X								
	10:50		SW#4-1'			-007	X	X								
	10:55		SW#4-3'			-008	X	X								

Date	Time	Relinquished by	Received by	Via	Date	Time
1/7/20	11:06	Lyndsey Bradse				
1/7/20	1900			Courrier	1/8/20	1030

Remarks: ☆ BTA ☆

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

CARDINAL Laboratories

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

August 14, 2019

BOB HALL

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: YOUNG #001

Enclosed are the results of analyses for samples received by the laboratory on 08/13/19 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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

Released to Imaging: 4/13/2026 10:32:30 AM

CARDINAL Laboratories

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

Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H902772-01)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/13/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/13/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/13/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9860**	16.0	08/14/2019	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	08/13/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/13/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	08/13/2019	ND					

Surrogate: 1-Chlorooctane *119 %* *41-142*

Surrogate: 1-Chlorooctadecane *128 %* *37.6-147*

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.

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:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 8' (H902772-02)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/13/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/13/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/13/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.2 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9860**	16.0	08/14/2019	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	08/13/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/13/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	08/13/2019	ND					

Surrogate: 1-Chlorooctane *113 %* *41-142*

Surrogate: 1-Chlorooctadecane *120 %* *37.6-147*

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 2' (H902772-03)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.7 %* *73.3-129*

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	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *114 %* *41-142*

Surrogate: 1-Chlorooctadecane *121 %* *37.6-147*

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 8' (H902772-04)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *73.3-129*

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	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *113 %* *41-142*

Surrogate: 1-Chlorooctadecane *121 %* *37.6-147*

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 2' (H902772-05)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**960**	16.0	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *123 %* *41-142*

Surrogate: 1-Chlorooctadecane *131 %* *37.6-147*

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 5' (H902772-06)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.6 %* *73.3-129*

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	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *122 %* *41-142*

Surrogate: 1-Chlorooctadecane *129 %* *37.6-147*

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 2' (H902772-07)

BTEX 8021B mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.6 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2120**	16.0	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	**98.0**	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	**34.8**	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *124 %* *41-142*

Surrogate: 1-Chlorooctadecane *139 %* *37.6-147*

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 4' (H902772-08)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1380**	16.0	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	**157**	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	**44.2**	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *125 %* *41-142*

Surrogate: 1-Chlorooctadecane *142 %* *37.6-147*

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 10' (H902772-09)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3520**	16.0	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *121 %* *41-142*

Surrogate: 1-Chlorooctadecane *131 %* *37.6-147*

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 2' (H902772-10)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2800**	16.0	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *119 %* *41-142*

Surrogate: 1-Chlorooctadecane *127 %* *37.6-147*

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 4' (H902772-11)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.3 %* *73.3-129*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2200**	16.0	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	**12.4**	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *111 %* *41-142*

Surrogate: 1-Chlorooctadecane *119 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

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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:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 10' (H902772-12)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.0 %* *73.3-129*

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	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *108 %* *41-142*

Surrogate: 1-Chlorooctadecane *114 %* *37.6-147*

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CARDINAL Laboratories

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

Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received:	08/13/2019	Sampling Date:	08/12/2019
Reported:	08/14/2019	Sampling Type:	Soil
Project Name:	YOUNG #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ 3' (H902772-13)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2019	ND	2.03	102	2.00	4.53	
Toluene*	<0.050	0.050	08/14/2019	ND	2.17	109	2.00	4.91	
Ethylbenzene*	<0.050	0.050	08/14/2019	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	08/14/2019	ND	6.34	106	6.00	4.13	
Total BTEX	<0.300	0.300	08/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *73.3-129*

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	08/14/2019	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	08/14/2019	ND	195	97.5	200	3.16	
DRO >C10-C28*	**53.3**	10.0	08/14/2019	ND	195	97.3	200	1.89	
EXT DRO >C28-C36	**17.4**	10.0	08/14/2019	ND					

Surrogate: 1-Chlorooctane *108 %* *41-142*

Surrogate: 1-Chlorooctadecane *117 %* *37.6-147*

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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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CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BTA Oil Producers
Project Manager: Bob Hall
Address:
City: State: Zip:
Phone #: Fax #:
Project #: Project Owner:
Project Name:
Project Location: Young 001
Sampler Name:

BILL TO
P.O. #:
Company: BTA
Attn:
Address:
City:
State: Zip:
Phone #:
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	Cl	TPH	BTEX
H902772	~~SP 1 @ 1'~~																
1	SP 1 @ 2'	G	1		X					X			8-12-19	9:00	X	X	X
2	SP 1 @ 8'	G	1		X					X			8-12-19	9:30	X	X	X
3	SP 2 @ 2'	G	1		X					X			8-12-19	9:40	X	X	X
4	SP 2 @ 8'	G	1		X					X			8-12-19	10:05	X	X	X
5	SP 3 @ 2'	G	1		X					X			8-12-19	10:30	X	X	X
6	SP 3 @ 5'	G	1		X					X			8-12-19	11:00	X	X	X
7	SP 4 @ 2'	G	1		X					X			8-12-19	11:20	X	X	X
8	SP 4 @ 4'	G	1		X					X			8-12-19	11:50	X	X	X
9	SP 4 @ 10'	G	1		X					X			8-12-19	12:10	X	X	X
10	SP 5 @ 2'	G	1		X					X			8-12-19	12:30	X	X	X

ANALYSIS REQUEST

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: Kaylea Richey
Date: 8-13-19
Time: 14:35
Received By: Tamara Oldaker
Relinquished By:
Date:
Time:
Received By:

Delivered By: (Circle One) 2.6c #97
Sampler - UPS - Bus - Other: Corrected 3.0c

Sample Condition: Cool Yes / No; Intact Yes / No
CHECKED BY: (Initials) TO

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: Michael@expertenviroservices.com

Rush!!

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 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

Company Name:	BTA	**BILL TO**	
Project Manager:		P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:		State: Zip:	
Project Location:	Young #001	Phone #:	
Sampler Name:		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	CL	TPH	BTEX
H902772																	
11	SpSe4'	G	1			✓							8-12-19	12:49	✓	✓	✓
12	SpSe10'	1	1			1							1	13:00	1	1	1
13	Sp6@3'	1	1			1							1	13:15	1	1	1

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Relinquished By:	Date: 8-13-19 Time: 14:35	Received By: Tamara Oldaker	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	2.6c Corrected 3.0c	#97	Sample Condition Cool: Yes / No Intact: Yes / No
CHECKED BY: (Initials)	T.O		

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: Rush!!

Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

Appendix D
Photo Log



Aerial Photo-North



Aerial Photo- East



Aerial Photo-South



Release Source



Aerial Photo-West (Pasture Area)



Impacted Area- West



Impacted area of pasture-East



Site Photo- Pumpjack



Site Photo-West



Site Photo- Tank Battery

From:	Eads, Cristina, EMNRD
To:	"bhall@btaoil.com"
Cc:	Mike EMNRD Bratcher (mike.bratcher@state.nm.us); Robert EMNRD Hamlet (Robert.Hamlet@state.nm.us); Victoria EMNRD Venegas (Victoria.Venegas@state.nm.us)
Subject:	NAB1907834716 YOUNG, 8709 JV-P #001 HEATER TREATER @ 30-025-30051
Date:	Wednesday, March 18, 2020 2:48:00 PM
Attachments:	(C-141 - Denied) NAB19078347.pdf image003.png

Bob,

The OCD has denied the submitted Closure Report C-141 for incident # nAB1907834716 for the following reasons:

- The area overlying the old reserve pit needs to meet the reclamation requirements of 19.15.29.13. Further delineation of this area will also need to take place. Though the reserve pit was closed in 2008 under different standards than we have in place today, this recent spill requires the responsible party to comply with our current rules and regulations.
- Depth to water needs to be reasonably determined. The groundwater well referenced in the closure report is over 2 miles away from the site. If you are unable to obtain ground water information (including well construction information) for ground water within a ½ mile radius, a soil bore will need to be drilled to a depth of 51' bgs to confirm the presence/absence of ground water in order to use the depth to ground water >50' closure criteria (the site currently meets this closure criteria, with the exception of the areas needing reclamation). If BTA chooses not to install a soil bore, the closure criteria for depth to ground water <50' will need to be used and applied to the site for closure.

The Denied C-141 can be found in the online image file. Please review and make the required correction prior to resubmitting though the fee portal. If you have any questions or believe this denial is in error, please contact me prior to submitting an additional C-141.

Thanks,

Cristina Eads
Environmental Bureau
EMNRD – Oil Conservation Division
5200 Oakland Avenue NE, Suite 100
Albuquerque, New Mexico 87113
505.670-5601
email: Cristina.Eads@state.nm.us



OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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 157897

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 157897
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all of the questions in this group.*	
Site Name	Young #1 Tank Battery
Date Release Discovered	11/10/2022
Surface Owner	Federal

Incident Details *Please answer all of the questions in this group.*	
Incident Type	Oil 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	Cause: Corrosion | Production Tank | Crude Oil | Released: 200 BBL | Recovered: 100 BBL | Lost: 100 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	*Not answered.*
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)	An oil tank failed on the bottom, releasing the entire contents inside the earthen containment walls surrounding the battery. An oil wet area was shown in pictures outside the walls. 100 BO was recovered. Will need to assess extent of oil outside of containment.

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 157897
	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	Bob Hall
If YES, was immediate notice given to the OCD, to whom	NMOCD via the Permitting Web Page
If YES, was immediate notice given to the OCD, when	11/10/2022
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	By filing this NOR on the Permitting Webpage
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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1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 157897
	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.

District I
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	260297
	Action Number: 157897
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
bob hall	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	11/10/2022

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2231476257
District RP	
Facility ID	fAPP2201832674
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # *(assigned by OCD)* nAPP2231476257
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.76721 Longitude: -103.72983
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Young #1 Tank Battery	Site Type: Tank Battery
Date Release Discovered: 11/10/2022	API# *(if applicable)* Nearest well:

Unit Letter	Section	Township	Range	County
A	11	18S	32E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls) 218 BBL	Volume Recovered (bbls) 100 BBL
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Tank Failure. An oil tank failed on the bottom, releasing the entire contents inside the earthen containment walls surrounding the battery. The oil was pushed out of the containment and onto the adjacent pasture. Vacuum truck used to recover 100 BO.

Spill Volume Calculation is attached.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2230983706
District RP	
Facility ID	fAPP2201832674
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? The release volume exceeded 25 BBL fluid.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
NOR assigned the present Incident ID nAPP2230983706 was filed on 11/10/2022.

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: Bob Hall Title: Environmental Manager

Signature: _____/s/ Bob Hall_____ Date: 11/21/2022

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Jocelyn Harimon Date: 11/21/2022

Location Young #1 Tank Failure
API #
Spill Date 11/11/2022

Spill Dimensions

ENTER - Length of Spill	81.5	**feet**
ENTER - Width of Spill	81.5	**feet**
ENTER - Saturation Depth of Spill	6	**inches**
ENTER - Porosity Factor	0.2	**decimal**

Oil Cut - Well Test / Vessel Throughput or Contents

Oil	99.999
Water	0.001
Calculated Oil Cut	0.99999

Volume Recovered in Truck / Containment

ENTER - Recovered Oil	100	**BBL**
ENTER - Recovered Water	0	**BBL**

Calculated Values	*calculated*	
Release of Oil in Soil - Unrecovered	118	***BBL***
Release of Water in Soil - Unrecovered	0	***BBL***
Unrecovered Total Release	118	***BBL***

Calculated Values	*calculated*	
Total Release of Oil	218	***BBL***
Total Release of Water	0	***BBL***
Total Release	218	***BBL***

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mix	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

$$\frac{\text{(Length X Width X Depth X 1 ft/12 in) X Porosity}}{5.615\ ft^3 / BBL} \times \text{Oil Cut (or Water Cut)}$$

Release extent approx: 5,295 sq ft
Containment area: 1,320 sq ft



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

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

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 160584
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	11/21/2022

March 10, 2023

New Mexico Oil Conservation Division
New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Closure Request
Young #1 Tank Battery
Incident Number nAPP2231476257
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities performed at the Young #1 Tank Battery (Site). The purpose of the Site assessment, excavation, and soil sampling activities was to address impacts to soil resulting from a crude oil release at the Site. Based on the excavation activities and laboratory analytical results from the soil sampling events, BTA is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAPP2231476257.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit A, Section 11, Township 18 South, Range 32 East, in Lea County, New Mexico (32.76721°, -103.72983°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On November 10, 2022, failure of an oil tank resulted in the release of approximately 218 barrels (bbls) of crude within the earthen containment berm and into the adjacent pasture area. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 100 bbls of crude oil were recovered. BTA reported the release immediately to the New Mexico Oil Conservation Division (NMOCD) via email on November 10, 2022 and submitted a *Release Notification Form C-141* (Form C-141) on November 21, 2022. The release was assigned Incident Number nAPP2231476257.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicablity of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is reasonably estimated to be between 51 feet and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 324512103455001, located approximately 2.2 miles southwest of the Site. The groundwater well has a reported depth to

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groundwater of 85 feet bgs and a total depth of 100 feet bgs. Ground surface elevation at the groundwater well location is 3,879 feet above mean sea level (amsl), which is approximately 79 feet lower in elevation than the Site. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Attachment 1. All wells used for depth to groundwater determination are depicted on Figure 1.

The closest continuously flowing or significant watercourse to the Site is an intermittent riverine, located approximately 720 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pasture area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On November 16, 2022, Ensolum personel were at the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Nine preliminary assessment soil samples (SS01 through SS09) were collected within and around the release extent at a depth of approximately 0.5 feet bgs to assess the release. The preliminary soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

The preliminary soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

Laboratory analytical results for preliminary soil samples SS01 through SS05, collected within the release extent, indicated TPH concentrations exceeded the Closure Criteria. Laboratory analytical results for preliminary soil samples SS06 through SS09, collected around the release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and laterally

defined the release extent. Based on laboratory analytical results for preliminary soil samples SS01 through SS05, excavation activities appeared to be warranted.

EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

Between December 1 and December 14, 2022, impacted soil was excavated as indicated by laboratory analytical results. Excavation activities were performed using a backhoe and transport vehicles. To direct excavation activities, soil was screened for VOCs and chloride. The excavation was completed to a maximum depth of 4.5 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of the impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS84 were collected from the floor of the excavation at a depth of 4 feet bgs. Composite soil samples SW01 through SW12 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs. The excavation soil samples were handled and analyzed following the same procedures as described above. Confirmation soil samples were submitted to Cardinal as well as Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico. The excavation extent and excavation soil sample locations are presented on Figure 3.

Laboratory analytical results for excavation samples FS01 through FS20, FS22 through FS30, FS33 through FS45, FS47, FS51 through FS55, FS57, FS59, FS61 through FS65, FS67, FS72 through FS75, FS77, FS82, and FS84 indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirement. Additionally, laboratory analytical results for excavation samples SW01 through SW12 indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirement.

Between December 22, 2022, and February 06, 2023, additional soil was removed in the vicinity of excavation confirmation floor soil samples FS21, FS31, FS32, FS46, FS48, FS49, FS50, FS56, FS58, FS60, FS66, FS68 through FS71, FS76, FS78 through FS81, and FS83 based on laboratory analytical results indicating COC concentrations above the Site Closure Criteria and/or reclamation requirements. Subsequent floor composite samples FS21A, FS31A, FS32A, FS46A, FS48A, FS49A, FS50A, FS56A, FS58A, FS60A, FS66A, FS68A through FS71A, FS76A, FS78A through FS81A, and FS83A were collected from the final excavation extent (maximum depth of 4.5 feet bgs).

Laboratory analytical results for the remaining composite floor soil samples indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix C.

The excavation measured approximately 15,840 square feet in areal extent. A total of approximately 2,640 cubic yards of impacted soil was removed during excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the November 10, 2022, crude oil release. Laboratory analytical results for excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria, reclamation requirement, and the most stringent Table I Closure Criteria. Based on the soil sample

analytical results, no further remediation appears to be required. BTA will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions and reseed utilizing a BLM-approved seed mixture.

BTA believes these remedial actions are protective of human health, the environment, and groundwater. As such, BTA respectfully requests closure for Incident Number nAPP2231476257. The required NMOCD notifications are included as Appendix D and the Final C-141 is included as Appendix E.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at 337-257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC

Kelly Lowery, GIT
Project Manager

Tacoma Morrissey
Senior Geologist

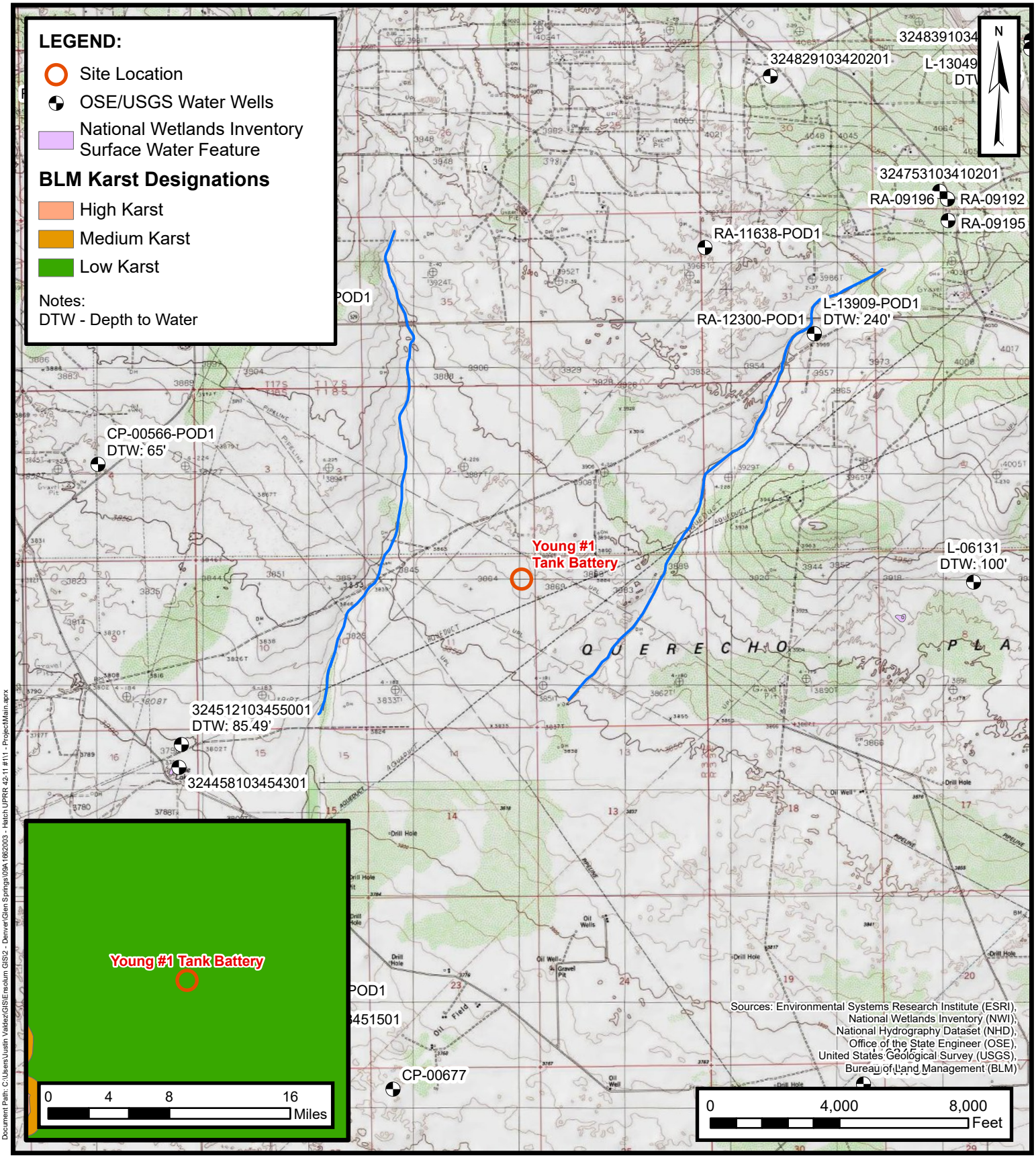
cc: Bob Hall, BTA Oil Producers, LLC
Bureau of Land Management

Appendices:

Figure 1	Site Location Map
Figure 2	Preliminary Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	NMOCD Notifications
Appendix E	Final C-141

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FIGURES



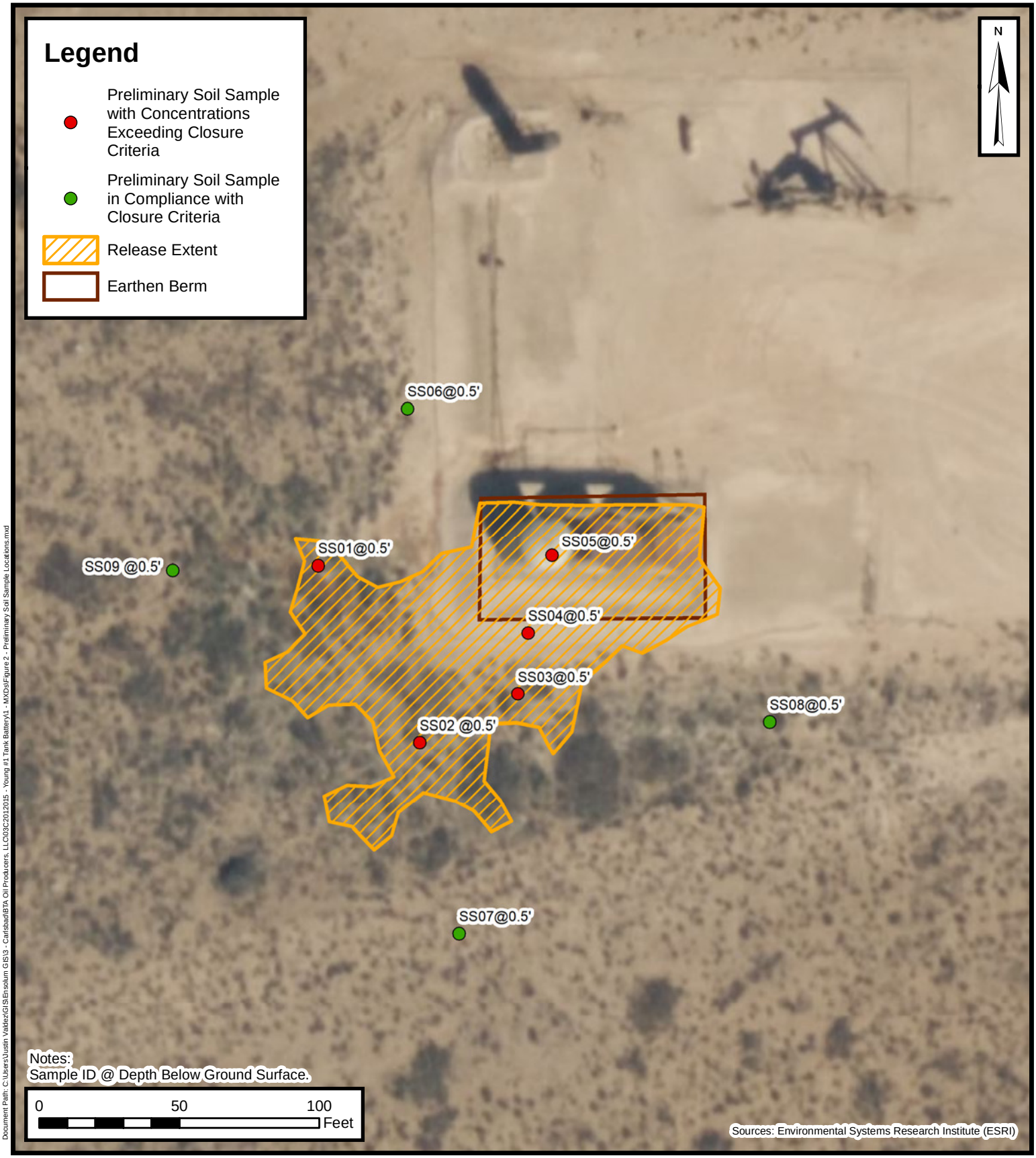
Document Path: C:\Users\Justin Valdez\GIS\Ensolum GIS\2 - Denver\Glen Springs\09A1662003 - Hatch UPRR 42-11 #1\1 - Project\Main.aprx

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Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

BTA Oil Producers, LLC
Young #1 Tank Battery
nAPP2231476257
Unit A, Section 11, T18S, R32E
Lea County, New Mexico

FIGURE
1



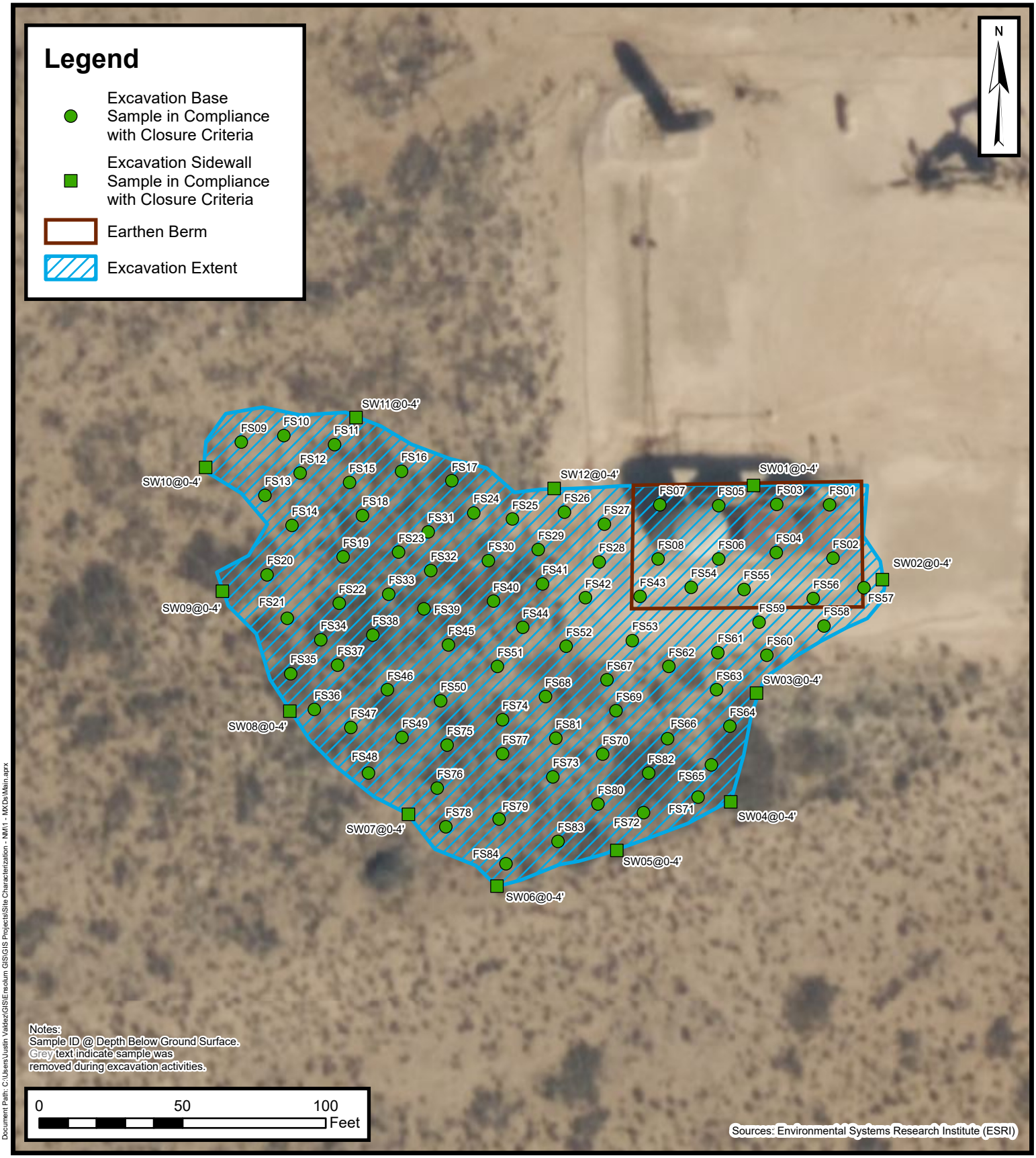
Document Path: C:\Users\Justin Valdez\GIS\Ensolum GIS\3 - Carlsbad\BTA Oil Producers, LLC\03C2012035 - Young #1 Tank Battery\1 - MXDs\Figure 2 - Preliminary Soil Sample Locations.mxd

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Preliminary Soil Sample Locations

BTA Oil Producers, LLC
Young #1 Tank Battery
nAPP2231476257
Unit A, Section 11, T18S, R32E
Lea County, New Mexico

FIGURE
2



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Excavation Soil Sample Locations

BTA Oil Producers, LLC
Young #1 Tank Battery
nAPP2231476257
Section 11, T18S, R32E
Lea County, New Mexico

FIGURE
3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Young #1 Tank Battery
BTA Oil Producers, LLC
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Preliminary Soil Samples										
SS01	11/16/2022	0.5	**111**	**2,760**	22,400	64,400	13,700	**64,400**	**78,100**	48.0*
SS02	11/16/2022	0.5	**32.5**	**1,710**	10,000	33,300	6,060	**33,300**	**39,360**	48.0*
SS03	11/16/2022	0.5	**63.2**	**1,510**	10,900	24,200	4,370	**24,200**	**28,570**	32.0*
SS04	11/16/2022	0.5	**91.0**	**1,980**	12,600	60,000	11,900	**60,000**	**71,900**	192
SS05	11/16/2022	0.5	**411**	**4,770**	55,300	116,000	21,200	**116,000**	**137,200**	848
SS06	11/16/2022	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS07	11/16/2022	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS08	11/16/2022	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS09	11/16/2022	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Excavation Floor Soil Samples										
FS01	12/01/2022	4	<0.002	<0.004	<50.0	<50.0	<50.0	<50.0	<50.0	27.8
FS02	12/01/2022	4	<0.001	<0.003	<49.9	<49.9	<49.9	<49.9	<49.9	55.5
FS03	12/01/2022	4	<0.001	<0.003	<49.9	<49.9	<49.9	<49.9	<49.9	696
FS04	12/01/2022	4	<0.002	<0.003	<50.0	<50.0	<50.0	<50.0	<50.0	570
FS05	12/01/2022	4	<0.002	<0.004	<50.0	<50.0	<50.0	<50.0	<50.0	932
FS06	12/01/2022	4	<0.002	<0.004	<50.0	<50.0	<50.0	<50.0	<50.0	183
FS07	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS08	12/12/2022	4	<0.050	<0.300	<10.0	16.5	<10.0	16.5	16.5	512
FS09	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS10	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS11	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS12	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS13	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS14	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS15	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS16	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS17	12/12/2022	4	<0.050	<0.300	<10.0	48.8	16.4	48.8	65.2	32.0
FS18	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS19	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS20	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS21	12/12/2022	4	<0.050	1.79	101	5,860	1,440	**5,961**	**7,401**	64.0
FS21A	12/22/2022	4.5	<0.050	<0.300	<10.0	26.6	<10.0	26.6	26.6	32.0

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Young #1 Tank Battery
BTA Oil Producers, LLC
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS22	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS23	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS24	12/12/2022	4	<0.050	<0.300	<10.0	73.6	10.8	73.6	84.4	48.0
FS25	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS26	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS27	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS28	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS29	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS30	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS31	12/12/2022	4	<0.050	<0.300	<10.0	243	59.8	243	302.8	256
FS31A	02/06/2023	4.5	<0.050	<0.300	<10.0	26.5	<10.0	26.5	26.5	96.0
FS32	12/12/2022	4	<0.050	0.326	<10.0	312	65.6	312	378	320
FS32A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS33	12/12/2022	4	<0.050	<0.300	<10.0	41.5	15.8	41.5	57.3	192
FS34	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS35	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS36	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS37	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS38	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS39	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS40	12/12/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS41	12/14/2022	4	<0.050	<0.300	<10.0	64.7	10.6	64.7	75.3	464
FS42	12/14/2022	4	<0.050	<0.300	<10.0	15.3	<10.0	15.3	15.3	32.0
FS43	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS44	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS45	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS46	12/14/2022	4	<0.050	<0.300	<10.0	909	204	909	1,113	304
FS46A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS47	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS48	12/14/2022	4	<0.050	2.75	134	1,280	192	**1,414**	1,606	<16.0
FS48A	12/22/2022	4.5	<0.050	<0.300	<10.0	31.0	<10.0	31.0	31.0	16.0
FS49	12/14/2022	4	<0.050	<0.300	<10.0	84.8	21.9	84.8	107	464
FS49A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Young #1 Tank Battery
BTA Oil Producers, LLC
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS50	12/14/2022	4	<0.050	<0.300	<10.0	137	27.7	137	165	800
FS50A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS51	12/14/2022	4	<0.050	<0.300	<10.0	57.7	12.1	57.7	69.8	464
FS52	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS53	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS54	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS55	12/14/2022	4	<0.050	<0.300	<10.0	69.9	11.3	69.9	81.2	32.0
FS56	12/14/2022	4	<0.050	<0.300	<10.0	983	249	983	1,232	320
FS56A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS57	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS58	12/14/2022	4	<0.050	<0.300	<10.0	162	23.7	162	186	48.0
FS58A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS59	12/14/2022	4	<0.050	<0.300	<10.0	95.5	<10.0	95.5	95.5	464
FS60	12/14/2022	4	<0.050	<0.300	<10.0	77.2	<10.0	77.2	77.2	912
FS60A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS61	12/14/2022	4	<0.050	<0.300	<10.0	94.8	<10.0	94.8	94.8	208
FS62	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS63	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS64	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS65	12/14/2022	4	<0.050	<0.300	<10.0	15.9	<10.0	15.9	15.9	32.0
FS66	12/14/2022	4	<0.050	<0.300	<10.0	1,090	337	**1,090**	1,427	336
FS66A	12/22/2022	4.5	<0.050	<0.300	<10.0	10.5	<10.0	10.5	10.5	48.0
FS67	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS68	12/14/2022	4	<0.050	<0.300	17.9	766	138	784	922	48.0
FS68A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS69	12/14/2022	4	<0.050	<0.300	<10.0	186	32.7	186	219	416
FS69A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS70	12/14/2022	4	<0.050	<0.300	<10.0	58.4	<10.0	58.4	58.4	992
FS70A	02/06/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS71	12/14/2022	4	<0.050	<0.300	<10.0	116	20.9	116	136.9	240
FS71A	02/06/2023	4.5	<0.050	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS72	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS73	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Young #1 Tank Battery
BTA Oil Producers, LLC
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS74	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS75	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS76	12/14/2022	4	<0.050	<0.300	<10.0	875	303	875	1,178	272
FS76A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS77	12/14/2022	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS78	12/14/2022	4	<0.050	<0.300	<10.0	101	<10.0	101	101	32.0
FS78A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS79	12/14/2022	4	<0.050	<0.300	<10.0	105	<10.0	105	105	352
FS79A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS80	12/14/2022	4	<0.050	<0.300	<10.0	32.3	<10.0	32.3	32.3	864
FS80A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS81	12/14/2022	4	<0.050	<0.300	<10.0	186	26.1	186	212.1	384
FS81A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS82	12/14/2022	4	<0.050	<0.300	<10.0	77.0	<10.0	77.0	77.0	272
FS83	12/01/2022	4	<0.00198	<0.00396	<49.8	238	147	385	385	137
FS83A	02/06/2023	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS84	12/01/2022	4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	32.0

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Young #1 Tank Battery
BTA Oil Producers, LLC
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Sidewall Soil Samples										
SW01	12/02/2022	0 - 4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	71.8*
SW02	12/02/2022	0 - 4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	28.4*
SW03	12/09/2022	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0*
SW04	12/09/2022	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0*
SW05	12/09/2022	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0*
SW06	12/09/2022	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0*
SW07	12/09/2022	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0*
SW08	12/02/2022	0 - 4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	20.3*
SW09	12/02/2022	0 - 4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	11.3*
SW10	12/02/2022	0 - 4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	15.9*
SW11	12/09/2022	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0*
SW12	12/09/2022	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0*

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
* indicates sample was collected in area to be reclaimed after remediation is complete; reclamation requirement for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.
Gray text represents samples that have been excavated.

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APPENDIX A

Referenced Well Records

U[illegible].32E.16.223433

Lea County, New Mexico
Latitude 32°45'12", Longitude 103°45'50" NAD27
Land-surface elevation 3,800 feet above NAVD88
The depth of the well is 100 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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 of measurement	Water-level approval status
1991-09-06		D	62610		3710.28	NGVD29	P	Z			A
1991-09-06		D	62611		3711.85	NAVD88	P	Z			A
1991-09-06		D	72019	88.15			P	Z			A
1991-09-14		D	62610		3711.28	NGVD29	P	Z			A
1991-09-14		D	62611		3712.85	NAVD88	P	Z			A
1991-09-14		D	72019	87.15			P	Z			A
1991-09-20		D	62610		3711.78	NGVD29	P	Z			A
1991-09-20		D	62611		3713.35	NAVD88	P	Z			A
1991-09-20		D	72019	86.65			P	Z			A
1991-09-25		D	62610		3712.27	NGVD29	P	Z			A
1991-09-25		D	62611		3713.84	NAVD88	P	Z			A
1991-09-25		D	72019	86.16			P	Z			A
1991-09-30		D	62610		3712.76	NGVD29	P	Z			A
1991-09-30		D	62611		3714.33	NAVD88	P	Z			A
1991-09-30		D	72019	85.67			P	Z			A
1991-10-17		D	62610		3713.84	NGVD29	1	Z			A
1991-10-17		D	62611		3715.41	NAVD88	1	Z			A
		D	72019	84.59			1	Z			A

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	CP 00566 POD1	4	4	1	04	18S	32E	614960	3627280*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name: ABBOTT, MURRELL

Drill Start Date: 06/01/1977 **Drill Finish Date:** 06/03/1977 **Plug Date:**

Log File Date: 06/13/1977 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 6.63 **Depth Well:** 133 feet **Depth Water:** 65 feet

Water Bearing Stratifications:	Top	Bottom	Description
	65	133	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	65	133

***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.

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APPENDIX B

Photographic Log

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Photographic Log
BTA Oil Producers, LLC
Young #1 Tank Battery
Incident Number nAPP2231476257



Photograph: 1 Date: 11/16/2022
Description: Photo of Site during initial assessment.
View: Northeast



Photograph: 2 Date: 11/16/2022
Description: Photo of Site during initial assessment.
View: Southwest



Photograph: 3 Date: 12/12/2022
Description: Photo of Site during excavation.
View: Southwest



Photograph: 4 Date: 2/6/2023
Description: Additional soil sampling activities.
View: Northeast

ENSOLUM

APPENDIX C

Laboratory Analytical Reports

CARDINAL Laboratories

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

November 29, 2022

HADLIE GREEN

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: YOUNG #1

Enclosed are the results of analyses for samples received by the laboratory on 11/21/22 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/21/2022	Sampling Date:	11/16/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

Sample ID: SS01 (H225477-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**111**	5.00	11/23/2022	ND	2.02	101	2.00	0.726	
Toluene*	**947**	5.00	11/23/2022	ND	2.17	108	2.00	0.705	
Ethylbenzene*	**536**	5.00	11/23/2022	ND	2.11	106	2.00	1.57	
Total Xylenes*	**1170**	15.0	11/23/2022	ND	6.43	107	6.00	2.47	
Total BTEX	**2760**	30.0	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

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	11/22/2022	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**22400**	100	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	**64400**	100	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	**13700**	100	11/22/2022	ND					

Surrogate: 1-Chlorooctane *901 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *1370 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

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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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/21/2022	Sampling Date:	11/16/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

Sample ID: SS02 (H225477-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**32.5**	5.00	11/23/2022	ND	2.02	101	2.00	0.726	
Toluene*	**481**	5.00	11/23/2022	ND	2.17	108	2.00	0.705	
Ethylbenzene*	**364**	5.00	11/23/2022	ND	2.11	106	2.00	1.57	
Total Xylenes*	**832**	15.0	11/23/2022	ND	6.43	107	6.00	2.47	
Total BTEX	**1710**	30.0	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *69.9-140*

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	11/22/2022	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**10000**	100	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	**33300**	100	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	**6060**	100	11/22/2022	ND					

Surrogate: 1-Chlorooctane *527 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *656 %* *46.3-178*

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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/21/2022	Sampling Date:	11/16/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

Sample ID: SS03 (H225477-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**63.2**	5.00	11/23/2022	ND	2.02	101	2.00	0.726	
Toluene*	**503**	5.00	11/23/2022	ND	2.17	108	2.00	0.705	
Ethylbenzene*	**292**	5.00	11/23/2022	ND	2.11	106	2.00	1.57	
Total Xylenes*	**656**	15.0	11/23/2022	ND	6.43	107	6.00	2.47	
Total BTEX	**1510**	30.0	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

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	11/22/2022	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**10900**	100	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	**24200**	100	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	**4370**	100	11/22/2022	ND					

Surrogate: 1-Chlorooctane *457 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *470 %* *46.3-178*

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/21/2022	Sampling Date:	11/16/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

Sample ID: SS04 (H225477-04)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**91.1**	5.00	11/23/2022	ND	2.02	101	2.00	0.726	
Toluene*	**684**	5.00	11/23/2022	ND	2.17	108	2.00	0.705	
Ethylbenzene*	**383**	5.00	11/23/2022	ND	2.11	106	2.00	1.57	
Total Xylenes*	**823**	15.0	11/23/2022	ND	6.43	107	6.00	2.47	
Total BTEX	**1980**	30.0	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

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	11/22/2022	ND	400	100	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS** **S-06**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**12600**	100	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	**60000**	100	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	**11900**	100	11/22/2022	ND					

Surrogate: 1-Chlorooctane *676 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *1250 %* *46.3-178*

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/21/2022	Sampling Date:	11/16/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

Sample ID: SS05 (H225477-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**411**	20.0	11/23/2022	ND	2.02	101	2.00	0.726	
Toluene*	**2000**	20.0	11/23/2022	ND	2.17	108	2.00	0.705	
Ethylbenzene*	**865**	20.0	11/23/2022	ND	2.11	106	2.00	1.57	
Total Xylenes*	**1490**	60.0	11/23/2022	ND	6.43	107	6.00	2.47	
Total BTEX	**4770**	120	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**848**	16.0	11/22/2022	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**55300**	100	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	**116000**	100	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	**21200**	100	11/22/2022	ND					

Surrogate: 1-Chlorooctane *1780 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *2360 %* *46.3-178*

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/21/2022	Sampling Date:	11/16/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

Sample ID: SS06 (H225477-06)

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	11/29/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	<0.050	0.050	11/29/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/29/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/29/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

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	11/22/2022	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	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane *94.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *92.2 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/21/2022	Sampling Date:	11/16/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

Sample ID: SS07 (H225477-07)

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	11/22/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	**0.078**	0.050	11/22/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *87.2 %* *69.9-140*

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	11/22/2022	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	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane *85.9 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *85.9 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/21/2022	Sampling Date:	11/16/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

Sample ID: SS08 (H225477-08)

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	11/22/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	<0.050	0.050	11/22/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *86.9 %* *69.9-140*

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	11/22/2022	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	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane *85.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *85.9 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	11/21/2022	Sampling Date:	11/16/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

Sample ID: SS09 (H225477-09)

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	11/22/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	<0.050	0.050	11/22/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *88.8 %* *69.9-140*

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	11/22/2022	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	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane *92.6 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *93.5 %* *46.3-178*

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Ensolum, LLC
Project Manager:	Hadlie Green
Address:	8330 LBJ Freeway, Ste. 830
City:	Dallas State: TX Zip: 75243
Phone #:	432-557-8895 Fax #:
Project #:	Project Owner: BTA Oil
Project Name:	Young #1
Project Location:	
Sampler Name:	Connor Whitman

BILL TO

P.O. #:	
Company:	BTA Oil
Attn:	Bob Hall
Address:	104 S Pecos St.
City:	Midland
State:	TX Zip: 79701
Phone #:	432-312-2203
Fax #:	

ANALYSIS REQUEST

BTEX, TPH, Chloride

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
H225477														
1	SS01	G	1			✓					✓		11/16/22	9:30
2	SS02		1											9:35
3	SS03		1											9:40
4	SS04		1											9:45
5	SS05		1											10:30
6	SS06		1											10:55
7	SS07		1											11:05
8	SS08		1											11:10
9	SS09		1											11:15

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Relinquished By:	Date: 11/21/22 Time: 1330	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
			All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS: hgreen@ensolum.com

Delivered By: (Circle One)	Observed Temp. °C 0.3	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 0.9			Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

CARDINAL Laboratories

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

December 20, 2022

HADLIE GREEN

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: YOUNG #1

Enclosed are the results of analyses for samples received by the laboratory on 12/12/22 12:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 03 0-4'	H225840-01	Soil	09-Dec-22 09:35	12-Dec-22 12:07
SW 04 0-4'	H225840-02	Soil	09-Dec-22 09:40	12-Dec-22 12:07
SW 05 0-4'	H225840-03	Soil	09-Dec-22 09:45	12-Dec-22 12:07
SW 06 0-4'	H225840-04	Soil	09-Dec-22 09:50	12-Dec-22 12:07
SW 07 0-4'	H225840-05	Soil	09-Dec-22 09:55	12-Dec-22 12:07
SW 11 0-4'	H225840-06	Soil	09-Dec-22 10:00	12-Dec-22 12:07
SW 12 0-4'	H225840-07	Soil	09-Dec-22 10:05	12-Dec-22 12:07

12/20/22 - Client changed sample IDs (see COC). This is the revised report and will replace the one sent on 12/15/22.

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

SW 03 0-4'

H225840-01 (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	2121301	AC	13-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121223	JH/	12-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121223	JH/	12-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121223	JH/	12-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121223	JH/	12-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121223	JH/	12-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*69.9-140*		*2121223*	JH/	*12-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*87.8 %*	*45.3-161*		*2121230*	MS	*13-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*93.2 %*	*46.3-178*		*2121230*	MS	*13-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

SW 04 0-4'

H225840-02 (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	2121306	GM	15-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121234*	JH	*13-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*92.9 %*	*45.3-161*		*2121230*	MS	*13-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*98.6 %*	*46.3-178*		*2121230*	MS	*13-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

SW 05 0-4'

H225840-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2121306	GM	15-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2121234*	JH	*13-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*87.2 %*	*45.3-161*		*2121230*	MS	*13-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.7 %*	*46.3-178*		*2121230*	MS	*13-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

SW 06 0-4'

H225840-04 (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	2121306	GM	15-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*69.9-140*		*2121234*	JH	*13-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*79.3 %*	*45.3-161*		*2121230*	MS	*13-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.6 %*	*46.3-178*		*2121230*	MS	*13-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

SW 07 0-4'

H225840-05 (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	2121306	GM	15-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.8 %*	*69.9-140*		*2121234*	JH	*13-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*99.4 %*	*45.3-161*		*2121230*	MS	*13-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*107 %*	*46.3-178*		*2121230*	MS	*13-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

SW 11 0-4'

H225840-06 (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	2121306	GM	15-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.3 %*	*69.9-140*		*2121234*	JH	*13-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*102 %*	*45.3-161*		*2121230*	MS	*13-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*111 %*	*46.3-178*		*2121230*	MS	*13-Dec-22*	*8015B*	

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ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

SW 12 0-4'

H225840-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2121306	GM	15-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121234	JH	13-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*69.9-140*		*2121234*	JH	*13-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121230	MS	13-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*80.8 %*	*45.3-161*		*2121230*	MS	*13-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.5 %*	*46.3-178*		*2121230*	MS	*13-Dec-22*	*8015B*	

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ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2121301 - 1:4 DI Water										
Blank (2121301-BLK1)				Prepared & Analyzed: 13-Dec-22						
Chloride	ND	16.0	mg/kg							
LCS (2121301-BS1)				Prepared & Analyzed: 13-Dec-22						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (2121301-BSD1)				Prepared & Analyzed: 13-Dec-22						
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	
Batch 2121306 - 1:4 DI Water										
Blank (2121306-BLK1)				Prepared: 13-Dec-22 Analyzed: 15-Dec-22						
Chloride	ND	16.0	mg/kg							
LCS (2121306-BS1)				Prepared: 13-Dec-22 Analyzed: 15-Dec-22						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2121306-BSD1)				Prepared: 13-Dec-22 Analyzed: 15-Dec-22						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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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:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

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 2121223 - Volatiles										
Blank (2121223-BLK1)				Prepared & Analyzed: 12-Dec-22						
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)	*0.0548*		mg/kg	*0.0500*		*110*	*69.9-140*			
LCS (2121223-BS1)				Prepared & Analyzed: 12-Dec-22						
Benzene	2.04	0.050	mg/kg	2.00		102	83.4-122			
Toluene	2.04	0.050	mg/kg	2.00		102	84.2-126			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	84.2-121			
m,p-Xylene	4.24	0.100	mg/kg	4.00		106	89.9-126			
o-Xylene	1.96	0.050	mg/kg	2.00		98.1	84.3-123			
Total Xylenes	6.20	0.150	mg/kg	6.00		103	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0538*		mg/kg	*0.0500*		*108*	*69.9-140*			
LCS Dup (2121223-BSD1)				Prepared & Analyzed: 12-Dec-22						
Benzene	2.17	0.050	mg/kg	2.00		109	83.4-122	6.42	12.6	
Toluene	2.17	0.050	mg/kg	2.00		109	84.2-126	6.18	13.3	
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	84.2-121	6.86	13.9	
m,p-Xylene	4.58	0.100	mg/kg	4.00		114	89.9-126	7.64	13.6	
o-Xylene	2.16	0.050	mg/kg	2.00		108	84.3-123	9.58	14.1	
Total Xylenes	6.74	0.150	mg/kg	6.00		112	89.1-124	8.26	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0532*		mg/kg	*0.0500*		*106*	*69.9-140*			
Batch 2121234 - Volatiles										
Blank (2121234-BLK1)				Prepared: 12-Dec-22 Analyzed: 13-Dec-22						
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							

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

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 2121234 - Volatiles										
Blank (2121234-BLK1)				Prepared: 12-Dec-22 Analyzed: 13-Dec-22						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0519*		mg/kg	*0.0500*		*104*	*69.9-140*			
LCS (2121234-BS1)				Prepared: 12-Dec-22 Analyzed: 13-Dec-22						
Benzene	2.08	0.050	mg/kg	2.00		104	83.4-122			
Toluene	2.16	0.050	mg/kg	2.00		108	84.2-126			
Ethylbenzene	2.11	0.050	mg/kg	2.00		105	84.2-121			
m,p-Xylene	4.43	0.100	mg/kg	4.00		111	89.9-126			
o-Xylene	2.11	0.050	mg/kg	2.00		105	84.3-123			
Total Xylenes	6.54	0.150	mg/kg	6.00		109	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0491*		mg/kg	*0.0500*		*98.3*	*69.9-140*			
LCS Dup (2121234-BSD1)				Prepared: 12-Dec-22 Analyzed: 13-Dec-22						
Benzene	2.06	0.050	mg/kg	2.00		103	83.4-122	0.787	12.6	
Toluene	2.13	0.050	mg/kg	2.00		106	84.2-126	1.48	13.3	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	84.2-121	0.924	13.9	
m,p-Xylene	4.39	0.100	mg/kg	4.00		110	89.9-126	1.08	13.6	
o-Xylene	2.10	0.050	mg/kg	2.00		105	84.3-123	0.190	14.1	
Total Xylenes	6.49	0.150	mg/kg	6.00		108	89.1-124	0.793	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0487*		mg/kg	*0.0500*		*97.5*	*69.9-140*			

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 20-Dec-22 15:51

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 2121230 - General Prep - Organics										
Blank (2121230-BLK1)				Prepared: 12-Dec-22 Analyzed: 13-Dec-22						
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	*49.2*		mg/kg	*50.0*		*98.3*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*52.9*		mg/kg	*50.0*		*106*	*46.3-178*			
LCS (2121230-BS1)				Prepared: 12-Dec-22 Analyzed: 13-Dec-22						
GRO C6-C10	222	10.0	mg/kg	200		111	76.8-124			
DRO >C10-C28	199	10.0	mg/kg	200		99.5	74.9-127			
Total TPH C6-C28	421	10.0	mg/kg	400		105	77.5-124			
Surrogate: 1-Chlorooctane	*57.6*		mg/kg	*50.0*		*115*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*66.2*		mg/kg	*50.0*		*132*	*46.3-178*			
LCS Dup (2121230-BSD1)				Prepared: 12-Dec-22 Analyzed: 13-Dec-22						
GRO C6-C10	222	10.0	mg/kg	200		111	76.8-124	0.145	17.2	
DRO >C10-C28	201	10.0	mg/kg	200		100	74.9-127	0.927	18.6	
Total TPH C6-C28	423	10.0	mg/kg	400		106	77.5-124	0.515	17.6	
Surrogate: 1-Chlorooctane	*59.4*		mg/kg	*50.0*		*119*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*68.7*		mg/kg	*50.0*		*137*	*46.3-178*			

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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 502 of 672

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Ensolum, LLC	**BILL TO**	
Project Manager:	Hadlie Green	**P.O. #:**	
Address:	601 N. Marienfeld St. STE 400	**Company:**	BTA Oil
City:	Midland **State:** TX **Zip:** 79701	**Attn:**	Bob Hall
Phone #:	432-557-8895 **Fax #:**	**Address:**	104 S. Pecos St.
Project #:	03C2012015 **Project Owner:**	**City:**	Midland
Project Name:	Young #1 Tank Battery	**State:** TX **Zip:** 79701	
Project Location:	32.7672, -103.7298	**Phone #:**	432-312-2203
Sampler Name:	Isaac Parker	**Fax #:**	

FOR LAB USE ONLY					MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH	Chloride
H225840																		
1	SW01 03	0-4'	G				X							12/6/22	0935	X	X	X
2	SW02 04														0940			
3	SW03 05														0945			
4	SW04 06														0950			
5	SW05 07														0955			
6	SW06 11														1000			
7	SW07 12														1005			

12/20/22

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Relinquished By:	**Date:** 12-12-22 **Time:** 1207	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
			All Results are emailed. Please provide Email address: BJennings@ensolum.com
Relinquished By:	**Date:** **Time:**	**Received By:**	**REMARKS:**

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.9 Corrected Temp. °C 1.3	**Sample Condition** Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	**CHECKED BY: (Initials)** TO	**Turnaround Time:** Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

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December 21, 2022

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: YOUNG #1

Enclosed are the results of analyses for samples received by the laboratory on 12/15/22 10:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 41	H225917-01	Soil	14-Dec-22 09:15	15-Dec-22 10:40
FS 42	H225917-02	Soil	14-Dec-22 09:20	15-Dec-22 10:40
FS 43	H225917-03	Soil	14-Dec-22 09:25	15-Dec-22 10:40
FS 44	H225917-04	Soil	14-Dec-22 09:30	15-Dec-22 10:40
FS 45	H225917-05	Soil	14-Dec-22 09:35	15-Dec-22 10:40
FS 46	H225917-06	Soil	14-Dec-22 09:40	15-Dec-22 10:40
FS 47	H225917-07	Soil	14-Dec-22 09:45	15-Dec-22 10:40
FS 48	H225917-08	Soil	14-Dec-22 09:50	15-Dec-22 10:40
FS 49	H225917-09	Soil	14-Dec-22 09:55	15-Dec-22 10:40
FS 50	H225917-10	Soil	14-Dec-22 10:00	15-Dec-22 10:40
FS 51	H225917-11	Soil	14-Dec-22 10:05	15-Dec-22 10:40
FS 52	H225917-12	Soil	14-Dec-22 10:10	15-Dec-22 10:40
FS 53	H225917-13	Soil	14-Dec-22 10:15	15-Dec-22 10:40
FS 54	H225917-14	Soil	14-Dec-22 10:20	15-Dec-22 10:40
FS 55	H225917-15	Soil	14-Dec-22 10:25	15-Dec-22 10:40
FS 56	H225917-16	Soil	14-Dec-22 10:30	15-Dec-22 10:40
FS 57	H225917-17	Soil	14-Dec-22 10:35	15-Dec-22 10:40
FS 58	H225917-18	Soil	14-Dec-22 10:40	15-Dec-22 10:40
FS 59	H225917-19	Soil	14-Dec-22 10:45	15-Dec-22 10:40
FS 60	H225917-20	Soil	14-Dec-22 10:50	15-Dec-22 10:40
FS 61	H225917-21	Soil	14-Dec-22 10:55	15-Dec-22 10:40
FS 62	H225917-22	Soil	14-Dec-22 11:00	15-Dec-22 10:40
FS 63	H225917-23	Soil	14-Dec-22 11:05	15-Dec-22 10:40
FS 64	H225917-24	Soil	14-Dec-22 11:10	15-Dec-22 10:40
FS 65	H225917-25	Soil	14-Dec-22 11:20	15-Dec-22 10:40
FS 66	H225917-26	Soil	14-Dec-22 11:30	15-Dec-22 10:40
FS 67	H225917-27	Soil	14-Dec-22 11:35	15-Dec-22 10:40

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 68	H225917-28	Soil	14-Dec-22 11:40	15-Dec-22 10:40
FS 69	H225917-29	Soil	14-Dec-22 11:45	15-Dec-22 10:40
FS 70	H225917-30	Soil	14-Dec-22 11:50	15-Dec-22 10:40
FS 71	H225917-31	Soil	14-Dec-22 11:55	15-Dec-22 10:40
FS 72	H225917-32	Soil	14-Dec-22 12:00	15-Dec-22 10:40
FS 73	H225917-33	Soil	14-Dec-22 12:05	15-Dec-22 10:40
FS 74	H225917-34	Soil	14-Dec-22 12:10	15-Dec-22 10:40
FS 75	H225917-35	Soil	14-Dec-22 12:20	15-Dec-22 10:40
FS 76	H225917-36	Soil	14-Dec-22 12:25	15-Dec-22 10:40
FS 77	H225917-37	Soil	14-Dec-22 12:30	15-Dec-22 10:40
FS 78	H225917-38	Soil	14-Dec-22 12:40	15-Dec-22 10:40
FS 79	H225917-39	Soil	14-Dec-22 12:45	15-Dec-22 10:40
FS 80	H225917-40	Soil	14-Dec-22 12:50	15-Dec-22 10:40
FS 81	H225917-41	Soil	14-Dec-22 12:55	15-Dec-22 10:40
FS 82	H225917-42	Soil	14-Dec-22 13:10	15-Dec-22 10:40

12/21/22 - Client requested sample ID changes (see COC). This is the revised report and will replace the one sent on 12/20/22.

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 41

H225917-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**464**		16.0	mg/kg	4	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*69.9-140*		*2121544*	MS	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	**64.7**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	**10.6**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*88.7 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*105 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 42

H225917-02 (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	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*113 %*	*69.9-140*		*2121544*	MS	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	**15.3**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*84.0 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*91.6 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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Analytical Results For:

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FS 43

H225917-03 (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	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121544	MS	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*69.9-140*		*2121544*	MS	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*95.8 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*105 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 44

H225917-04 (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	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*88.1 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.1 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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FS 45

H225917-05 (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	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*84.6 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.0 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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Analytical Results For:

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FS 46

H225917-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**304**		16.0	mg/kg	4	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<50.0		50.0	mg/kg	5	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	**909**		50.0	mg/kg	5	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	**204**		50.0	mg/kg	5	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*100 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*162 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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Analytical Results For:

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FS 47

H225917-07 (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	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*85.2 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.0 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 48

H225917-08 (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	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	**0.146**		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	GC-NC1
Ethylbenzene*	**0.574**		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	**2.03**		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	**2.75**		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*132 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**134**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	**1280**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	**192**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*144 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*221 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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Analytical Results For:

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FS 49

H225917-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**464**		16.0	mg/kg	4	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	**84.8**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	**21.9**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*92.3 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*110 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 50

H225917-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**800**		16.0	mg/kg	4	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	**137**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	**27.7**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*117 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*140 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 51

H225917-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**464**		16.0	mg/kg	4	2121635	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	**57.7**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	**12.1**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*92.5 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*99.6 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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Analytical Results For:

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FS 52

H225917-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	2121635	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*87.3 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*93.1 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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FS 53

H225917-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2121635	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*97.9 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*107 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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FS 54

H225917-14 (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	2121635	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*90.8 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*98.3 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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FS 55

H225917-15 (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	2121635	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	**69.9**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	**11.3**		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*93.8 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*105 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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FS 56

H225917-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**320**		16.0	mg/kg	4	2121635	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<50.0		50.0	mg/kg	5	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	**983**		50.0	mg/kg	5	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	**249**		50.0	mg/kg	5	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*89.6 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*136 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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FS 57

H225917-17 (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	2121635	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121532	MS	17-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*87.5 %*	*45.3-161*		*2121532*	MS	*17-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.0 %*	*46.3-178*		*2121532*	MS	*17-Dec-22*	*8015B*	

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FS 58

H225917-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	**162**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	**23.7**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*84.6 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.0 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

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FS 59

H225917-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**464**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	**95.5**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*82.4 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*82.7 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 60

H225917-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**912**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	**77.2**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*75.3 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.5 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 61

H225917-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**208**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	**94.8**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*80.7 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*82.7 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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FS 62

H225917-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*84.8 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.5 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

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FS 63

H225917-23 (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	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121615	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2121615*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*87.0 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.3 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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FS 64

H225917-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*88.2 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.9 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

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FS 65

H225917-25 (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	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	**15.9**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*88.8 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.0 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 66

H225917-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**336**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	**1090**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	**337**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*80.9 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*111 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

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FS 67

H225917-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*78.7 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*77.1 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 68

H225917-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	**0.185**		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*113 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**17.9**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	**766**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	**138**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*91.2 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*104 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 69

H225917-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**416**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	**186**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	**32.7**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*87.8 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*91.5 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 70

H225917-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**992**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	**58.4**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*79.2 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.3 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

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FS 71

H225917-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**240**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	**116**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	**20.9**		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*65.4 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.8 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

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FS 72

H225917-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*85.4 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*82.2 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 73

H225917-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*82.1 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.1 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 74

H225917-34 (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	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*85.8 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*82.4 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

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FS 75

H225917-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*77.2 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*75.2 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 76

H225917-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**272**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	20-Dec-22	8015B	
DRO >C10-C28*	**875**		10.0	mg/kg	1	2121533	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	**303**		10.0	mg/kg	1	2121533	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*87.1 %*	*45.3-161*		*2121533*	MS	*20-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*127 %*	*46.3-178*		*2121533*	MS	*20-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 77

H225917-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	2121916	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121533	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*80.5 %*	*45.3-161*		*2121533*	MS	*19-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*81.3 %*	*46.3-178*		*2121533*	MS	*19-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 78

H225917-38 (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	2121636	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
DRO >C10-C28*	**101**		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*83.6 %*	*45.3-161*		*2121545*	MS	*20-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*95.8 %*	*46.3-178*		*2121545*	MS	*20-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

FS 79

H225917-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**352**		16.0	mg/kg	4	2121636	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	17-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*69.9-140*		*2121617*	JH	*17-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
DRO >C10-C28*	**105**		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*86.5 %*	*45.3-161*		*2121545*	MS	*20-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*102 %*	*46.3-178*		*2121545*	MS	*20-Dec-22*	*8015B*	

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FS 80

H225917-40 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**864**		16.0	mg/kg	4	2121636	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.9-140*		*2121617*	JH	*18-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
DRO >C10-C28*	**32.3**		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*87.5 %*	*45.3-161*		*2121545*	MS	*20-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*100 %*	*46.3-178*		*2121545*	MS	*20-Dec-22*	*8015B*	

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FS 81

H225917-41 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**384**		16.0	mg/kg	4	2121636	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2121617*	JH	*18-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
DRO >C10-C28*	**186**		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	**26.1**		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*85.0 %*	*45.3-161*		*2121545*	MS	*20-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*102 %*	*46.3-178*		*2121545*	MS	*20-Dec-22*	*8015B*	

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Analytical Results For:

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FS 82

H225917-42 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**272**		16.0	mg/kg	4	2121636	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121617	JH	18-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*69.9-140*		*2121617*	JH	*18-Dec-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
DRO >C10-C28*	**77.0**		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121545	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			*73.6 %*	*45.3-161*		*2121545*	MS	*20-Dec-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.8 %*	*46.3-178*		*2121545*	MS	*20-Dec-22*	*8015B*	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2121635 - 1:4 DI Water										
Blank (2121635-BLK1)				Prepared & Analyzed: 16-Dec-22						
Chloride	ND	16.0	mg/kg							
LCS (2121635-BS1)				Prepared & Analyzed: 16-Dec-22						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2121635-BSD1)				Prepared & Analyzed: 16-Dec-22						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 2121636 - 1:4 DI Water										
Blank (2121636-BLK1)				Prepared & Analyzed: 16-Dec-22						
Chloride	ND	16.0	mg/kg							
LCS (2121636-BS1)				Prepared & Analyzed: 16-Dec-22						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2121636-BSD1)				Prepared & Analyzed: 16-Dec-22						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 2121916 - 1:4 DI Water										
Blank (2121916-BLK1)				Prepared & Analyzed: 19-Dec-22						
Chloride	ND	16.0	mg/kg							
LCS (2121916-BS1)				Prepared & Analyzed: 19-Dec-22						
Chloride	432	16.0	mg/kg	400		108	80-120			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2121916 - 1:4 DI Water										
LCS Dup (2121916-BSD1)				Prepared & Analyzed: 19-Dec-22						
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

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 2121544 - Volatiles										
Blank (2121544-BLK1)				Prepared: 16-Dec-22 Analyzed: 17-Dec-22						
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)	*0.0552*		mg/kg	*0.0500*		*110*	*69.9-140*			
LCS (2121544-BS1)				Prepared: 16-Dec-22 Analyzed: 17-Dec-22						
Benzene	2.06	0.050	mg/kg	2.00		103	83.4-122			
Toluene	2.15	0.050	mg/kg	2.00		107	84.2-126			
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	84.2-121			
m,p-Xylene	4.44	0.100	mg/kg	4.00		111	89.9-126			
o-Xylene	2.05	0.050	mg/kg	2.00		102	84.3-123			
Total Xylenes	6.48	0.150	mg/kg	6.00		108	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0508*		mg/kg	*0.0500*		*102*	*69.9-140*			
LCS Dup (2121544-BSD1)				Prepared: 16-Dec-22 Analyzed: 17-Dec-22						
Benzene	2.09	0.050	mg/kg	2.00		104	83.4-122	1.59	12.6	
Toluene	2.11	0.050	mg/kg	2.00		105	84.2-126	2.03	13.3	
Ethylbenzene	2.13	0.050	mg/kg	2.00		106	84.2-121	1.82	13.9	
m,p-Xylene	4.36	0.100	mg/kg	4.00		109	89.9-126	1.66	13.6	
o-Xylene	2.08	0.050	mg/kg	2.00		104	84.3-123	1.71	14.1	
Total Xylenes	6.45	0.150	mg/kg	6.00		107	89.1-124	0.585	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0520*		mg/kg	*0.0500*		*104*	*69.9-140*			
Batch 2121615 - Volatiles										
Blank (2121615-BLK1)				Prepared: 16-Dec-22 Analyzed: 17-Dec-22						
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							

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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:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

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 2121615 - Volatiles										
Blank (2121615-BLK1)				Prepared: 16-Dec-22 Analyzed: 17-Dec-22						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0519*		mg/kg	*0.0500*		*104*	*69.9-140*			
LCS (2121615-BS1)				Prepared: 16-Dec-22 Analyzed: 17-Dec-22						
Benzene	2.06	0.050	mg/kg	2.00		103	83.4-122			
Toluene	2.17	0.050	mg/kg	2.00		109	84.2-126			
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	84.2-121			
m,p-Xylene	4.49	0.100	mg/kg	4.00		112	89.9-126			
o-Xylene	2.12	0.050	mg/kg	2.00		106	84.3-123			
Total Xylenes	6.62	0.150	mg/kg	6.00		110	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0510*		mg/kg	*0.0500*		*102*	*69.9-140*			
LCS Dup (2121615-BSD1)				Prepared: 16-Dec-22 Analyzed: 17-Dec-22						
Benzene	2.07	0.050	mg/kg	2.00		103	83.4-122	0.168	12.6	
Toluene	2.17	0.050	mg/kg	2.00		109	84.2-126	0.0227	13.3	
Ethylbenzene	2.13	0.050	mg/kg	2.00		107	84.2-121	0.442	13.9	
m,p-Xylene	4.45	0.100	mg/kg	4.00		111	89.9-126	0.990	13.6	
o-Xylene	2.11	0.050	mg/kg	2.00		105	84.3-123	0.536	14.1	
Total Xylenes	6.56	0.150	mg/kg	6.00		109	89.1-124	0.844	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0497*		mg/kg	*0.0500*		*99.3*	*69.9-140*			
Batch 2121617 - Volatiles										
Blank (2121617-BLK1)				Prepared: 16-Dec-22 Analyzed: 17-Dec-22						
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)	*0.0521*		mg/kg	*0.0500*		*104*	*69.9-140*			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

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 2121617 - Volatiles										
LCS (2121617-BS1)				Prepared: 16-Dec-22 Analyzed: 17-Dec-22						
Benzene	2.10	0.050	mg/kg	2.00		105	83.4-122			
Toluene	2.20	0.050	mg/kg	2.00		110	84.2-126			
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	84.2-121			
m,p-Xylene	4.50	0.100	mg/kg	4.00		113	89.9-126			
o-Xylene	2.14	0.050	mg/kg	2.00		107	84.3-123			
Total Xylenes	6.64	0.150	mg/kg	6.00		111	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0497*		mg/kg	*0.0500*		*99.3*	*69.9-140*			
LCS Dup (2121617-BSD1)				Prepared: 16-Dec-22 Analyzed: 17-Dec-22						
Benzene	2.07	0.050	mg/kg	2.00		104	83.4-122	1.06	12.6	
Toluene	2.18	0.050	mg/kg	2.00		109	84.2-126	0.655	13.3	
Ethylbenzene	2.15	0.050	mg/kg	2.00		107	84.2-121	0.674	13.9	
m,p-Xylene	4.49	0.100	mg/kg	4.00		112	89.9-126	0.347	13.6	
o-Xylene	2.12	0.050	mg/kg	2.00		106	84.3-123	0.854	14.1	
Total Xylenes	6.60	0.150	mg/kg	6.00		110	89.1-124	0.510	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0506*		mg/kg	*0.0500*		*101*	*69.9-140*			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

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 2121532 - General Prep - Organics										
Blank (2121532-BLK1)				Prepared: 15-Dec-22 Analyzed: 17-Dec-22						
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	*43.5*		mg/kg	*50.0*		*87.0*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*47.6*		mg/kg	*50.0*		*95.2*	*46.3-178*			
LCS (2121532-BS1)				Prepared: 15-Dec-22 Analyzed: 17-Dec-22						
GRO C6-C10	219	10.0	mg/kg	200		110	76.8-124			
DRO >C10-C28	197	10.0	mg/kg	200		98.4	74.9-127			
Total TPH C6-C28	416	10.0	mg/kg	400		104	77.5-124			
Surrogate: 1-Chlorooctane	*52.5*		mg/kg	*50.0*		*105*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*62.7*		mg/kg	*50.0*		*125*	*46.3-178*			
LCS Dup (2121532-BSD1)				Prepared: 15-Dec-22 Analyzed: 17-Dec-22						
GRO C6-C10	207	10.0	mg/kg	200		103	76.8-124	5.96	17.2	
DRO >C10-C28	185	10.0	mg/kg	200		92.3	74.9-127	6.41	18.6	
Total TPH C6-C28	391	10.0	mg/kg	400		97.8	77.5-124	6.17	17.6	
Surrogate: 1-Chlorooctane	*52.2*		mg/kg	*50.0*		*104*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*60.5*		mg/kg	*50.0*		*121*	*46.3-178*			
Batch 2121533 - General Prep - Organics										
Blank (2121533-BLK1)				Prepared: 15-Dec-22 Analyzed: 19-Dec-22						
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	*44.9*		mg/kg	*50.0*		*89.9*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*41.9*		mg/kg	*50.0*		*83.9*	*46.3-178*			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

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 2121533 - General Prep - Organics										
LCS (2121533-BS1)				Prepared: 15-Dec-22 Analyzed: 19-Dec-22						
GRO C6-C10	205	10.0	mg/kg	200		102	76.8-124			
DRO >C10-C28	194	10.0	mg/kg	200		96.8	74.9-127			
Total TPH C6-C28	398	10.0	mg/kg	400		99.6	77.5-124			
Surrogate: 1-Chlorooctane	*49.7*		mg/kg	*50.0*		*99.4*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*45.1*		mg/kg	*50.0*		*90.2*	*46.3-178*			
LCS Dup (2121533-BSD1)				Prepared: 15-Dec-22 Analyzed: 19-Dec-22						
GRO C6-C10	199	10.0	mg/kg	200		99.3	76.8-124	3.02	17.2	
DRO >C10-C28	188	10.0	mg/kg	200		94.0	74.9-127	2.98	18.6	
Total TPH C6-C28	387	10.0	mg/kg	400		96.7	77.5-124	3.00	17.6	
Surrogate: 1-Chlorooctane	*48.5*		mg/kg	*50.0*		*96.9*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*44.1*		mg/kg	*50.0*		*88.2*	*46.3-178*			
Batch 2121545 - General Prep - Organics										
Blank (2121545-BLK1)				Prepared: 15-Dec-22 Analyzed: 20-Dec-22						
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	*48.0*		mg/kg	*50.0*		*95.9*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*54.5*		mg/kg	*50.0*		*109*	*46.3-178*			
LCS (2121545-BS1)				Prepared: 15-Dec-22 Analyzed: 19-Dec-22						
GRO C6-C10	219	10.0	mg/kg	200		109	76.8-124			
DRO >C10-C28	227	10.0	mg/kg	200		114	74.9-127			
Total TPH C6-C28	446	10.0	mg/kg	400		112	77.5-124			
Surrogate: 1-Chlorooctane	*58.7*		mg/kg	*50.0*		*117*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*63.8*		mg/kg	*50.0*		*128*	*46.3-178*			

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: YOUNG #1 Project Number: 03C2012015 Project Manager: HADLIE GREEN Fax To:	Reported: 21-Dec-22 12:39

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 2121545 - General Prep - Organics										
LCS Dup (2121545-BSD1)				Prepared: 15-Dec-22 Analyzed: 19-Dec-22						
GRO C6-C10	217	10.0	mg/kg	200		109	76.8-124	0.677	17.2	
DRO >C10-C28	210	10.0	mg/kg	200		105	74.9-127	7.78	18.6	
Total TPH C6-C28	428	10.0	mg/kg	400		107	77.5-124	4.23	17.6	
Surrogate: 1-Chlorooctane	*55.9*		mg/kg	*50.0*		*112*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*65.6*		mg/kg	*50.0*		*131*	*46.3-178*			

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

1 of 5

Company Name:	Ensolum
Project Manager:	Hadlie Green
Address:	3122 National Parks Hwy
City:	Carlsbad NM State: NM Zip: 88220
Phone #:	432-557-8895 Fax #:
Project #:	03C2012065 Project Owner:
Project Name:	Young
Project Location:	Lea Co
Sampler Name:	CB

BILL TO

P.O. #:	
Company:	BTA Oil
Attn:	Bob Hall
Address:	104 S Pecos
City:	~~Carls~~ Midland
State:	Tx Zip: 79701
Phone #:	
Fax #:	

ANALYSIS REQUEST

CHL ✓ | TDS ✓ | pH ✓

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
H225917	* SR 12/21/22													
1	~~SS10~~ FS 41	G	1			✓							12-14	915
2	~~SS41~~ 42													920
3	~~SS42~~ 43													925
4	~~SS43~~ 44													930
5	~~SS44~~ 45													935
6	~~SS45~~ 46													940
7	~~SS46~~ 47													945
8	~~SS47~~ 48													950
9	~~SS48~~ 49													955
10	~~SS49~~ 50	↓	↓			↓							↓	1000

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Relinquished By:	Date: 12-15-22	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1040		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: *Customer requested sample ID names to be changed. SR 12/21/22
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 3.6	Sample Condition: Cool ☑ Yes ☐ No / Intact ☐ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.0		T.O.	Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No — Observed Temp. °C — Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 5

Company Name:	**BILL TO**
Project Manager:	P.O. #:
Address:	Company:
City: State: Zip:	Attn:
Phone #: Fax #:	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location:	Phone #:
Sampler Name:	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	CHL	BTX	TPH
H225917	* SF 12/21/22																
11	~~5550~~ FS 51	G	1				/						12-14	1005			
12	~~5551~~ 52						/							1010			
13	~~5552~~ 53						/							1015			
14	~~5553~~ 54						/							1020			
15	~~5554~~ 55						/							1025			
16	~~5555~~ 56						/							1030			
17	~~5556~~ 57						/							1035			
18	~~5557~~ 58						/							1040			
19	~~5554~~ 59						/							1045			
20	~~5554~~ 60						/							1050			

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Relinquished By:	Date: 12-15-22	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1040		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: *Customer requested sample ID names to be changed. SF 12/21/22
	Time:		
Delivered By: (Circle One)	Observed Temp. °C 3.6	Sample Condition: Cool ☑ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.0		

Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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Received by OCD: 3/16/2026 12:53:43 PM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

Company Name:	**BILL TO**
Project Manager:	P.O. #:
Address:	Company:
City: State: Zip:	Attn:
Phone #: Fax #:	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location:	Phone #:
Sampler Name:	Fax #:

ANALYSIS REQUEST: CHL, BTX, TPH

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
H225917	*SR 12/21/22													
21	~~SS60~~ FS 61	G	1										12-14	1055
22	~~SS61~~ 62													1100
23	~~SS62~~ 63													1105
24	~~SS63~~ 64													1110
25	~~SS64~~ 65													1120
26	~~SS65~~ 66													1130
27	~~SS66~~ 67													1135
28	~~SS67~~ 68													1140
29	~~SS68~~ 69													1145
30	~~SS69~~ 70													1150

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Relinquished By:	Date: 12-15-22	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1040		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: * customer requested sample ID names to be changed. SR 12/21/22
	Time:		
Delivered By: (Circle One)	Observed Temp. °C 3.4	Sample Condition: Cool ☑ Yes ☐ No / Intact ☐ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.0		

Turnaround Time: Standard ☑ Rush ☐ — Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No — Observed Temp. °C — Corrected Temp. °C

Thermometer ID #113
Correction Factor -0.6°C

FORM-006 R 3.3 07/18/22

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CARDINAL Laboratories
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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

Company Name:	BILL TO
Project Manager:	P.O. #:
Address:	Company:
City: State: Zip:	Attn:
Phone #: Fax #:	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location:	Phone #:
Sampler Name:	Fax #:

ANALYSIS REQUEST: 1 CHL, 2 BTX, 3 TPH

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
H225917	*SF 12/21/22													
31	~~FS 70~~ FS 71	G	1			X							12/14	1155
32	~~FS 71~~ FS 72													1200
33	~~FS 72~~ FS 73													1205
34	~~FS 73~~ FS 74													1210
35	~~FS 74~~ FS 75													1220
36	~~FS 75~~ FS 76													1225
37	~~FS 76~~ FS 77													1230
38	~~FS 77~~ FS 78													1240
39	~~FS 78~~ FS 79													1245
40	~~FS 79~~ FS 80	↓	↓										↓	1250

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Relinquished By:	Date: 12-15-22	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1040		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: * Customer requested sample ID Names to be changed SF 12/21/22
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 3.6 Corrected Temp. °C 3.0

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.B.

Turnaround Time: Standard ☑ Rush ☐

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ Nc Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

Thermometer ID #113
Correction Factor -0.6°C

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Received by OCD: 3/16/2026 12:53:43 PM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 5

Company Name:	**BILL TO** P.O. #:
Project Manager:	Company:
Address:	Attn:
City: State: Zip:	Address:
Phone #: Fax #:	City:
Project #: Project Owner:	State: Zip:
Project Name:	Phone #:
Project Location:	Fax #:
Sampler Name:	

ANALYSIS REQUEST: Cl, BTEX, TPH

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
H225917	*SR 12/21/22													
41	~~SS40~~ FS 81	G	1				/						12-14	1255
42	~~SS~~ FS 82	C	1				/						12-14	1310

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Relinquished By:	Date: 12-15-22	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1040		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: *Customer requested sample ID Names to be changed. SR 12/21/22
	Time:		
Delivered By: (Circle One)	Observed Temp. °C 3.6	Sample Condition: Cool ☑ Yes Intact ☑ Yes	CHECKED BY: (Initials) TO
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.0	☐ No ☐ No	Turnaround Time: Standard ☑ Rush ☐
			Thermometer ID #113 Correction Factor -0.6°C
			Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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CARDINAL Laboratories

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

December 27, 2022

HADLIE GREEN

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: YOUNG #1

Enclosed are the results of analyses for samples received by the laboratory on 12/22/22 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	12/22/2022	Sampling Date:	12/22/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.7672, -103.7298		

Sample ID: FS 21 A (H226045-01)

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	12/22/2022	ND	1.99	99.7	2.00	4.31	
Toluene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94	
Total BTEX	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

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	12/22/2022	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	12/22/2022	ND	211	106	200	3.50	
DRO >C10-C28*	**26.6**	10.0	12/22/2022	ND	227	113	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane *79.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *79.8 %* *46.3-178*

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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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	12/22/2022	Sampling Date:	12/22/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.7672, -103.7298		

Sample ID: FS 48 A (H226045-02)

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	12/27/2022	ND	2.09	104	2.00	6.14	
Toluene*	<0.050	0.050	12/27/2022	ND	2.21	111	2.00	5.44	
Ethylbenzene*	<0.050	0.050	12/27/2022	ND	2.20	110	2.00	5.46	
Total Xylenes*	<0.150	0.150	12/27/2022	ND	6.75	113	6.00	5.67	
Total BTEX	<0.300	0.300	12/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *69.9-140*

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	12/22/2022	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	12/22/2022	ND	211	106	200	3.50	
DRO >C10-C28*	**31.0**	10.0	12/22/2022	ND	227	113	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane *82.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *82.5 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	12/22/2022	Sampling Date:	12/22/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.7672, -103.7298		

Sample ID: FS 66 A (H226045-03)

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	12/27/2022	ND	2.09	104	2.00	6.14	
Toluene*	<0.050	0.050	12/27/2022	ND	2.21	111	2.00	5.44	
Ethylbenzene*	<0.050	0.050	12/27/2022	ND	2.20	110	2.00	5.46	
Total Xylenes*	<0.150	0.150	12/27/2022	ND	6.75	113	6.00	5.67	
Total BTEX	<0.300	0.300	12/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *69.9-140*

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	12/22/2022	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	12/22/2022	ND	211	106	200	3.50	
DRO >C10-C28*	**10.5**	10.0	12/22/2022	ND	227	113	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane *80.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *79.9 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum
Project Manager: Hadlie Green
Address: 3122 National Parks Hwy
City: Carlsbad State: NM Zip: 88220
Phone #: 432-557-8895 Fax #:
Project #: 03C2012015 Project Owner:
Project Name: Young #1 Tank Battery
Project Location: Lea Co
Sampler Name: CB

BILL TO

P.O. #:
Company: BTA Oil
Attn: Bob Hall
Address: 104 S Pecos
City: Midland State: TX Zip: 79701
Phone #: 432-312-2203
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING				
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	CHL	BTX	TPH
H22604S																		
1	FS21A													12-22	0950			
2	FS48A														1600			
3	FS66A													↓	1010			

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Relinquished By: Date: 12-22-22 Time: 1100 Received By: Tamara Oldaker
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C 3.0
Corrected Temp. °C 2.4
Sample Condition: Cool Yes ☑ Intact Yes ☑
Cool No ☐ Intact No ☐
CHECKED BY: (Initials) T

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition
Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 12/21/2022 2:18:54 PM Revision 1

JOB DESCRIPTION

Young #1 Tank Battery
SDG NUMBER 03C2012015

JOB NUMBER

880-22249-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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Eurofins Midland

Job Notes

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

Authorization

Holly Taylor

Generated
12/21/2022 2:18:54 PM
Revision 1

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

Client: Ensolum
Project/Site: Young #1 Tank Battery

Laboratory Job ID: 880-22249-1
SDG: 03C2012015

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Definitions/Glossary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

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
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: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Job ID: 880-22249-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22249-1

Revision
The report being provided is a revision of the original report sent on 12/15/2022. The report (revision 1) is being revised to change FS07 to FS83 and FS08 to FS84 per Hadlie Green (email).

Receipt
The samples were received on 12/2/2022 1:48 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: FS83 (880-22249-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-41297/1-A). Evidence of matrix interferences is not obvious.

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

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

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

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

Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Client Sample ID: FS01

Date Collected: 12/01/22 09:00
Date Received: 12/02/22 13:48
Sample Depth: 4'

Lab Sample ID: 880-22249-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/13/22 10:59	12/14/22 11:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/13/22 10:59	12/14/22 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/13/22 10:59*	*12/14/22 11:25*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*12/13/22 10:59*	*12/14/22 11:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/14/22 14:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/22 20:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 12:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 12:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*12/07/22 15:29*	*12/09/22 12:17*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/07/22 15:29*	*12/09/22 12:17*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.8**		4.97		mg/Kg			12/09/22 11:50	1

Client Sample ID: FS02

Date Collected: 12/01/22 09:05
Date Received: 12/02/22 13:48
Sample Depth: 4'

Lab Sample ID: 880-22249-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/22 10:59	12/14/22 19:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/22 10:59	12/14/22 19:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/22 10:59	12/14/22 19:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/22 10:59	12/14/22 19:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/22 10:59	12/14/22 19:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/22 10:59	12/14/22 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/13/22 10:59*	*12/14/22 19:40*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Client Sample ID: FS02

Lab Sample ID: 880-22249-2
Matrix: Solid
Date Collected: 12/01/22 09:05
Date Received: 12/02/22 13:48
Sample Depth: 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/13/22 10:59*	*12/14/22 19:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 11:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/09/22 20:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/07/22 15:29	12/09/22 13:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 15:29	12/09/22 13:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 15:29	12/09/22 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*12/07/22 15:29*	*12/09/22 13:22*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/07/22 15:29*	*12/09/22 13:22*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.5**		5.02	mg/Kg			12/09/22 11:57	1

Client Sample ID: FS03

Lab Sample ID: 880-22249-3
Matrix: Solid
Date Collected: 12/01/22 09:10
Date Received: 12/02/22 13:48
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/22 10:59	12/14/22 20:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/22 10:59	12/14/22 20:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/22 10:59	12/14/22 20:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		12/13/22 10:59	12/14/22 20:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/22 10:59	12/14/22 20:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/22 10:59	12/14/22 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/13/22 10:59*	*12/14/22 20:00*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/13/22 10:59*	*12/14/22 20:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/15/22 11:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/09/22 20:41	1

Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Client Sample ID: FS03

Lab Sample ID: 880-22249-3
Matrix: Solid
Date Collected: 12/01/22 09:10
Date Received: 12/02/22 13:48
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/22 15:29	12/09/22 13:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/22 15:29	12/09/22 13:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/22 15:29	12/09/22 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*12/07/22 15:29*	*12/09/22 13:43*	*1*
o-Terphenyl	*103*		*70 - 130*	*12/07/22 15:29*	*12/09/22 13:43*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**696**		5.01		mg/Kg			12/09/22 12:03	1

Client Sample ID: FS04

Lab Sample ID: 880-22249-4
Matrix: Solid
Date Collected: 12/01/22 09:15
Date Received: 12/02/22 13:48
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 20:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 20:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 20:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/22 10:59	12/14/22 20:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 20:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/22 10:59	12/14/22 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/13/22 10:59*	*12/14/22 20:21*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/13/22 10:59*	*12/14/22 20:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/15/22 11:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/22 20:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 14:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 14:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/07/22 15:29*	*12/09/22 14:04*	*1*
o-Terphenyl	*107*		*70 - 130*	*12/07/22 15:29*	*12/09/22 14:04*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Client Sample ID: FS04

Lab Sample ID: 880-22249-4
Matrix: Solid
Date Collected: 12/01/22 09:15
Date Received: 12/02/22 13:48
Sample Depth: 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		4.98		mg/Kg			12/09/22 12:10	1

Client Sample ID: FS05

Lab Sample ID: 880-22249-5
Matrix: Solid
Date Collected: 12/01/22 09:20
Date Received: 12/02/22 13:48
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/13/22 10:59	12/14/22 20:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/22 10:59	12/14/22 20:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/22 10:59	12/14/22 20:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/22 10:59	12/14/22 20:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/22 10:59	12/14/22 20:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/22 10:59	12/14/22 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/13/22 10:59*	*12/14/22 20:41*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/13/22 10:59*	*12/14/22 20:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/15/22 11:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/22 20:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 14:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 14:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*12/07/22 15:29*	*12/09/22 14:26*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/07/22 15:29*	*12/09/22 14:26*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	932		5.03		mg/Kg			12/09/22 12:30	1

Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Client Sample ID: FS06

Lab Sample ID: 880-22249-6
Matrix: Solid
Date Collected: 12/01/22 09:25
Date Received: 12/02/22 13:48
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 21:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 21:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 21:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/13/22 10:59	12/14/22 21:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 21:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/13/22 10:59	12/14/22 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*12/13/22 10:59*	*12/14/22 21:02*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/13/22 10:59*	*12/14/22 21:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/15/22 11:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/22 20:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 14:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 14:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*12/07/22 15:29*	*12/09/22 14:48*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/07/22 15:29*	*12/09/22 14:48*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**		4.96		mg/Kg			12/09/22 12:37	1

Client Sample ID: FS83

Lab Sample ID: 880-22249-7
Matrix: Solid
Date Collected: 12/01/22 10:15
Date Received: 12/02/22 13:48
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/13/22 10:59	12/14/22 21:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/13/22 10:59	12/14/22 21:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/13/22 10:59	12/14/22 21:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/13/22 10:59	12/14/22 21:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/13/22 10:59	12/14/22 21:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/13/22 10:59	12/14/22 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*12/13/22 10:59*	*12/14/22 21:22*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Client Sample ID: FS83

Lab Sample ID: 880-22249-7
Matrix: Solid
Date Collected: 12/01/22 10:15
Date Received: 12/02/22 13:48
Sample Depth: 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/13/22 10:59*	*12/14/22 21:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			12/15/22 11:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**385**		49.8	mg/Kg			12/09/22 20:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/07/22 15:29	12/09/22 15:09	1
Diesel Range Organics (Over C10-C28)	**238**		49.8	mg/Kg		12/07/22 15:29	12/09/22 15:09	1
Oil Range Organics (Over C28-C36)	**147**		49.8	mg/Kg		12/07/22 15:29	12/09/22 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*12/07/22 15:29*	*12/09/22 15:09*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/07/22 15:29*	*12/09/22 15:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**137**		4.99	mg/Kg			12/09/22 12:43	1

Client Sample ID: FS84

Lab Sample ID: 880-22249-8
Matrix: Solid
Date Collected: 12/01/22 10:20
Date Received: 12/02/22 13:48
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/22 10:59	12/14/22 21:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/22 10:59	12/14/22 21:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/22 10:59	12/14/22 21:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		12/13/22 10:59	12/14/22 21:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/22 10:59	12/14/22 21:43	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/22 10:59	12/14/22 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/13/22 10:59*	*12/14/22 21:43*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/13/22 10:59*	*12/14/22 21:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/15/22 11:43	1

Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Client Sample ID: FS84

Date Collected: 12/01/22 10:20
Date Received: 12/02/22 13:48
Sample Depth: 4'

Lab Sample ID: 880-22249-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/22 20:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/22 15:29	12/09/22 15:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/22 15:29	12/09/22 15:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/22 15:29	12/09/22 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*12/07/22 15:29*	*12/09/22 15:30*	*1*
o-Terphenyl	*116*		*70 - 130*	*12/07/22 15:29*	*12/09/22 15:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**448**		5.04		mg/Kg			12/09/22 12:50	1

Surrogate Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-22249-1	FS01	107	88
880-22249-1 MS	FS01	106	96
880-22249-1 MSD	FS01	99	93
880-22249-2	FS02	115	101
880-22249-3	FS03	115	98
880-22249-4	FS04	115	102
880-22249-5	FS05	112	99
880-22249-6	FS06	116	97
880-22249-7	FS83	134 S1+	97
880-22249-8	FS84	115	98
LCS 880-41731/1-A	Lab Control Sample	93	90
LCSD 880-41731/2-A	Lab Control Sample Dup	97	94
MB 880-41731/5-A	Method Blank	102	91

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22249-1	FS01	107	115
880-22249-1 MS	FS01	92	89
880-22249-1 MSD	FS01	94	89
880-22249-2	FS02	104	110
880-22249-3	FS03	99	103
880-22249-4	FS04	101	107
880-22249-5	FS05	109	115
880-22249-6	FS06	106	112
880-22249-7	FS83	104	110
880-22249-8	FS84	109	116
LCS 880-41297/2-A	Lab Control Sample	92	95
LCSD 880-41297/3-A	Lab Control Sample Dup	88	91
MB 880-41297/1-A	Method Blank	102	140 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-41731/5-A
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41731

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/22 10:59	12/14/22 11:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/22 10:59	12/14/22 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/13/22 10:59*	*12/14/22 11:03*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/13/22 10:59*	*12/14/22 11:03*	*1*

Lab Sample ID: LCS 880-41731/1-A
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41731

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09982		mg/Kg		100	70 - 130		
Toluene			0.100	0.09417		mg/Kg		94	70 - 130		
Ethylbenzene			0.100	0.08987		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1951		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09613		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-41731/2-A
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41731

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1034		mg/Kg		103	70 - 130	3	35
Toluene			0.100	0.09587		mg/Kg		96	70 - 130	2	35
Ethylbenzene			0.100	0.09272		mg/Kg		93	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2006		mg/Kg		100	70 - 130	3	35
o-Xylene			0.100	0.09897		mg/Kg		99	70 - 130	3	35

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

Lab Sample ID: 880-22249-1 MS
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 41731

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.07547		mg/Kg		75	70 - 130		
Toluene	<0.00200	U	0.100	0.07112		mg/Kg		71	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

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

Lab Sample ID: 880-22249-1 MS
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 41731

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07125		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1577		mg/Kg		79	70 - 130
o-Xylene	<0.00200	U	0.100	0.08037		mg/Kg		80	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-22249-1 MSD
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 41731

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09035		mg/Kg		91	70 - 130	18	35
Toluene	<0.00200	U	0.0990	0.08427		mg/Kg		85	70 - 130	17	35
Ethylbenzene	<0.00200	U	0.0990	0.08013		mg/Kg		81	70 - 130	12	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1746		mg/Kg		88	70 - 130	10	35
o-Xylene	<0.00200	U	0.0990	0.08823		mg/Kg		89	70 - 130	9	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-41297/1-A
Matrix: Solid
Analysis Batch: 41416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41297

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 09:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 09:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 15:29	12/09/22 09:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*12/07/22 15:29*	*12/09/22 09:49*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*12/07/22 15:29*	*12/09/22 09:49*	*1*

Lab Sample ID: LCS 880-41297/2-A
Matrix: Solid
Analysis Batch: 41416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41297

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	890.6		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)			1000	865.8		mg/Kg		87	70 - 130

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

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

Lab Sample ID: LCS 880-41297/2-A
Matrix: Solid
Analysis Batch: 41416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41297

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: LCSD 880-41297/3-A
Matrix: Solid
Analysis Batch: 41416

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41297

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	837.9		mg/Kg		84	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	863.4		mg/Kg		86	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 880-22249-1 MS
Matrix: Solid
Analysis Batch: 41416

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 41297

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	1020		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	738.0		mg/Kg		74	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-22249-1 MSD
Matrix: Solid
Analysis Batch: 41416

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 41297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	899.1		mg/Kg		88	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	739.3		mg/Kg		74	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	89		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40994/1-A
Matrix: Solid
Analysis Batch: 41276

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/09/22 11:10	1

Lab Sample ID: LCS 880-40994/2-A
Matrix: Solid
Analysis Batch: 41276

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.5		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-40994/3-A
Matrix: Solid
Analysis Batch: 41276

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	263.2		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

GC VOA

Prep Batch: 41731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22249-1	FS01	Total/NA	Solid	5035	
880-22249-2	FS02	Total/NA	Solid	5035	
880-22249-3	FS03	Total/NA	Solid	5035	
880-22249-4	FS04	Total/NA	Solid	5035	
880-22249-5	FS05	Total/NA	Solid	5035	
880-22249-6	FS06	Total/NA	Solid	5035	
880-22249-7	FS83	Total/NA	Solid	5035	
880-22249-8	FS84	Total/NA	Solid	5035	
MB 880-41731/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41731/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41731/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22249-1 MS	FS01	Total/NA	Solid	5035	
880-22249-1 MSD	FS01	Total/NA	Solid	5035	

Analysis Batch: 41784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22249-1	FS01	Total/NA	Solid	8021B	41731
880-22249-2	FS02	Total/NA	Solid	8021B	41731
880-22249-3	FS03	Total/NA	Solid	8021B	41731
880-22249-4	FS04	Total/NA	Solid	8021B	41731
880-22249-5	FS05	Total/NA	Solid	8021B	41731
880-22249-6	FS06	Total/NA	Solid	8021B	41731
880-22249-7	FS83	Total/NA	Solid	8021B	41731
880-22249-8	FS84	Total/NA	Solid	8021B	41731
MB 880-41731/5-A	Method Blank	Total/NA	Solid	8021B	41731
LCS 880-41731/1-A	Lab Control Sample	Total/NA	Solid	8021B	41731
LCSD 880-41731/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41731
880-22249-1 MS	FS01	Total/NA	Solid	8021B	41731
880-22249-1 MSD	FS01	Total/NA	Solid	8021B	41731

Analysis Batch: 41837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22249-1	FS01	Total/NA	Solid	Total BTEX	
880-22249-2	FS02	Total/NA	Solid	Total BTEX	
880-22249-3	FS03	Total/NA	Solid	Total BTEX	
880-22249-4	FS04	Total/NA	Solid	Total BTEX	
880-22249-5	FS05	Total/NA	Solid	Total BTEX	
880-22249-6	FS06	Total/NA	Solid	Total BTEX	
880-22249-7	FS83	Total/NA	Solid	Total BTEX	
880-22249-8	FS84	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22249-1	FS01	Total/NA	Solid	8015NM Prep	
880-22249-2	FS02	Total/NA	Solid	8015NM Prep	
880-22249-3	FS03	Total/NA	Solid	8015NM Prep	
880-22249-4	FS04	Total/NA	Solid	8015NM Prep	
880-22249-5	FS05	Total/NA	Solid	8015NM Prep	
880-22249-6	FS06	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

GC Semi VOA (Continued)

Prep Batch: 41297 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22249-7	FS83	Total/NA	Solid	8015NM Prep	
880-22249-8	FS84	Total/NA	Solid	8015NM Prep	
MB 880-41297/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41297/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41297/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22249-1 MS	FS01	Total/NA	Solid	8015NM Prep	
880-22249-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22249-1	FS01	Total/NA	Solid	8015B NM	41297
880-22249-2	FS02	Total/NA	Solid	8015B NM	41297
880-22249-3	FS03	Total/NA	Solid	8015B NM	41297
880-22249-4	FS04	Total/NA	Solid	8015B NM	41297
880-22249-5	FS05	Total/NA	Solid	8015B NM	41297
880-22249-6	FS06	Total/NA	Solid	8015B NM	41297
880-22249-7	FS83	Total/NA	Solid	8015B NM	41297
880-22249-8	FS84	Total/NA	Solid	8015B NM	41297
MB 880-41297/1-A	Method Blank	Total/NA	Solid	8015B NM	41297
LCS 880-41297/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41297
LCSD 880-41297/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41297
880-22249-1 MS	FS01	Total/NA	Solid	8015B NM	41297
880-22249-1 MSD	FS01	Total/NA	Solid	8015B NM	41297

Analysis Batch: 41505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22249-1	FS01	Total/NA	Solid	8015 NM	
880-22249-2	FS02	Total/NA	Solid	8015 NM	
880-22249-3	FS03	Total/NA	Solid	8015 NM	
880-22249-4	FS04	Total/NA	Solid	8015 NM	
880-22249-5	FS05	Total/NA	Solid	8015 NM	
880-22249-6	FS06	Total/NA	Solid	8015 NM	
880-22249-7	FS83	Total/NA	Solid	8015 NM	
880-22249-8	FS84	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22249-1	FS01	Soluble	Solid	DI Leach	
880-22249-2	FS02	Soluble	Solid	DI Leach	
880-22249-3	FS03	Soluble	Solid	DI Leach	
880-22249-4	FS04	Soluble	Solid	DI Leach	
880-22249-5	FS05	Soluble	Solid	DI Leach	
880-22249-6	FS06	Soluble	Solid	DI Leach	
880-22249-7	FS83	Soluble	Solid	DI Leach	
880-22249-8	FS84	Soluble	Solid	DI Leach	
MB 880-40994/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40994/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40994/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

HPLC/IC

Analysis Batch: 41276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22249-1	FS01	Soluble	Solid	300.0	40994
880-22249-2	FS02	Soluble	Solid	300.0	40994
880-22249-3	FS03	Soluble	Solid	300.0	40994
880-22249-4	FS04	Soluble	Solid	300.0	40994
880-22249-5	FS05	Soluble	Solid	300.0	40994
880-22249-6	FS06	Soluble	Solid	300.0	40994
880-22249-7	FS83	Soluble	Solid	300.0	40994
880-22249-8	FS84	Soluble	Solid	300.0	40994
MB 880-40994/1-A	Method Blank	Soluble	Solid	300.0	40994
LCS 880-40994/2-A	Lab Control Sample	Soluble	Solid	300.0	40994
LCSD 880-40994/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40994

Lab Chronicle

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Client Sample ID: FS01
Date Collected: 12/01/22 09:00
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22249-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41731	MNR	EET MID	12/13/22 10:59
Total/NA	Analysis	8021B		1	41784	MNR	EET MID	12/14/22 11:25
Total/NA	Analysis	Total BTEX		1	41837	SM	EET MID	12/14/22 14:05
Total/NA	Analysis	8015 NM		1	41505	AJ	EET MID	12/09/22 20:41
Total/NA	Prep	8015NM Prep			41297	DM	EET MID	12/07/22 15:29
Total/NA	Analysis	8015B NM		1	41416	AJ	EET MID	12/09/22 12:17
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 11:50

Client Sample ID: FS02
Date Collected: 12/01/22 09:05
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22249-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41731	MNR	EET MID	12/13/22 10:59
Total/NA	Analysis	8021B		1	41784	MNR	EET MID	12/14/22 19:40
Total/NA	Analysis	Total BTEX		1	41837	SM	EET MID	12/15/22 11:43
Total/NA	Analysis	8015 NM		1	41505	AJ	EET MID	12/09/22 20:41
Total/NA	Prep	8015NM Prep			41297	DM	EET MID	12/07/22 15:29
Total/NA	Analysis	8015B NM		1	41416	AJ	EET MID	12/09/22 13:22
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 11:57

Client Sample ID: FS03
Date Collected: 12/01/22 09:10
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22249-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41731	MNR	EET MID	12/13/22 10:59
Total/NA	Analysis	8021B		1	41784	MNR	EET MID	12/14/22 20:00
Total/NA	Analysis	Total BTEX		1	41837	SM	EET MID	12/15/22 11:43
Total/NA	Analysis	8015 NM		1	41505	AJ	EET MID	12/09/22 20:41
Total/NA	Prep	8015NM Prep			41297	DM	EET MID	12/07/22 15:29
Total/NA	Analysis	8015B NM		1	41416	AJ	EET MID	12/09/22 13:43
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 12:03

Client Sample ID: FS04
Date Collected: 12/01/22 09:15
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22249-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41731	MNR	EET MID	12/13/22 10:59
Total/NA	Analysis	8021B		1	41784	MNR	EET MID	12/14/22 20:21
Total/NA	Analysis	Total BTEX		1	41837	SM	EET MID	12/15/22 11:43

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Client Sample ID: FS04
Date Collected: 12/01/22 09:15
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22249-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	41505	AJ	EET MID	12/09/22 20:41
Total/NA	Prep	8015NM Prep			41297	DM	EET MID	12/07/22 15:29
Total/NA	Analysis	8015B NM		1	41416	AJ	EET MID	12/09/22 14:04
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 12:10

Client Sample ID: FS05
Date Collected: 12/01/22 09:20
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22249-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41731	MNR	EET MID	12/13/22 10:59
Total/NA	Analysis	8021B		1	41784	MNR	EET MID	12/14/22 20:41
Total/NA	Analysis	Total BTEX		1	41837	SM	EET MID	12/15/22 11:43
Total/NA	Analysis	8015 NM		1	41505	AJ	EET MID	12/09/22 20:41
Total/NA	Prep	8015NM Prep			41297	DM	EET MID	12/07/22 15:29
Total/NA	Analysis	8015B NM		1	41416	AJ	EET MID	12/09/22 14:26
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 12:30

Client Sample ID: FS06
Date Collected: 12/01/22 09:25
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22249-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41731	MNR	EET MID	12/13/22 10:59
Total/NA	Analysis	8021B		1	41784	MNR	EET MID	12/14/22 21:02
Total/NA	Analysis	Total BTEX		1	41837	SM	EET MID	12/15/22 11:43
Total/NA	Analysis	8015 NM		1	41505	AJ	EET MID	12/09/22 20:41
Total/NA	Prep	8015NM Prep			41297	DM	EET MID	12/07/22 15:29
Total/NA	Analysis	8015B NM		1	41416	AJ	EET MID	12/09/22 14:48
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 12:37

Client Sample ID: FS83
Date Collected: 12/01/22 10:15
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22249-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41731	MNR	EET MID	12/13/22 10:59
Total/NA	Analysis	8021B		1	41784	MNR	EET MID	12/14/22 21:22
Total/NA	Analysis	Total BTEX		1	41837	SM	EET MID	12/15/22 11:43
Total/NA	Analysis	8015 NM		1	41505	AJ	EET MID	12/09/22 20:41
Total/NA	Prep	8015NM Prep			41297	DM	EET MID	12/07/22 15:29
Total/NA	Analysis	8015B NM		1	41416	AJ	EET MID	12/09/22 15:09

Lab Chronicle

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Client Sample ID: FS83

Date Collected: 12/01/22 10:15
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22249-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 12:43

Client Sample ID: FS84

Date Collected: 12/01/22 10:20
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22249-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41731	MNR	EET MID	12/13/22 10:59
Total/NA	Analysis	8021B		1	41784	MNR	EET MID	12/14/22 21:43
Total/NA	Analysis	Total BTEX		1	41837	SM	EET MID	12/15/22 11:43
Total/NA	Analysis	8015 NM		1	41505	AJ	EET MID	12/09/22 20:41
Total/NA	Prep	8015NM Prep			41297	DM	EET MID	12/07/22 15:29
Total/NA	Analysis	8015B NM		1	41416	AJ	EET MID	12/09/22 15:30
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 12:50

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
N/A	N/A	None on record.	

Method Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22249-1
SDG: 03C2012015

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-22249-1	FS01	Solid	12/01/22 09:00	12/02/22 13:48	4'
880-22249-2	FS02	Solid	12/01/22 09:05	12/02/22 13:48	4'
880-22249-3	FS03	Solid	12/01/22 09:10	12/02/22 13:48	4'
880-22249-4	FS04	Solid	12/01/22 09:15	12/02/22 13:48	4'
880-22249-5	FS05	Solid	12/01/22 09:20	12/02/22 13:48	4'
880-22249-6	FS06	Solid	12/01/22 09:25	12/02/22 13:48	4'
880-22249-7	FS83	Solid	12/01/22 10:15	12/02/22 13:48	4'
880-22249-8	FS84	Solid	12/01/22 10:20	12/02/22 13:48	4'

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 22949

www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	Bob Hall
Company Name:	Ensolum, LLC	Company Name:	BTA Oil
Address:	3122 Nat'l Parks Hwy	Address:	104 S Pecos St
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	Midland, TX 79701
Phone:	432-557-8895	Email:	hgreen@ensolum.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:	Young #1 Tank Battery	Turn Around	☑ Routine ☐ Rush
Project Number:	03C2012015	Due Date:	
Project Location:	32 767224, -103 729807	TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name:	Julianna Falcomata		
PO #:			

SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	T-NM-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.2
Total Containers:		Corrected Temperature:	

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H2O
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

880-22249 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA 300 0)	TPH (8015)	BTEX (8021)	Sample Comments
FS01	S	12-1-22	0900	4'	C	1		✓	✓	✓	
FS02	S	12-1-22	0905	4'	C	1		✓	✓	✓	
FS03	S	12-1-22	0910	4'	C	1		✓	✓	✓	nAPP2231476257
FS04	S	12-1-22	0915	4'	C	1		✓	✓	✓	
FS05	S	12-1-22	0920	4'	C	1		✓	✓	✓	
FS06	S	12-1-22	0925	4'	C	1		✓	✓	✓	
FS07	S	12-1-22	1015	4'	C	1		✓	✓	✓	
FS08	S	12-1-22	1020	4'	C	1		✓	✓	✓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12-2-22 13:48	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020.2

Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

12/21/2022 (Rev. 1)

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-22249-1
SDG Number: 03C2012015

Login Number: 22249
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 12/16/2022 1:23:11 PM

JOB DESCRIPTION

Young #1 Tank Battery
SDG NUMBER 03C2012015

JOB NUMBER

880-22250-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Released to Imaging: 4/13/2026 10:32:30 AM

Eurofins Midland

Job Notes

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

Authorization

Generated
12/16/2022 1:23:11 PM

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

Client: Ensolum
Project/Site: Young #1 Tank Battery

Laboratory Job ID: 880-22250-1
SDG: 03C2012015

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Definitions/Glossary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

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
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: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Job ID: 880-22250-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22250-1

Receipt
The samples were received on 12/2/2022 1:48 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-41760/2-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.

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-41278 and analytical batch 880-41411 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-41278/2-A) and (LCSD 880-41278/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-22201-A-1-B). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW08 (880-22250-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW01 (880-22250-3), SW02 (880-22250-4) and SW10 (880-22250-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Client Sample ID: SW08

Lab Sample ID: 880-22250-1
Matrix: Solid
Date Collected: 12/02/22 11:20
Date Received: 12/02/22 13:48
Sample Depth: 0 - 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/16/22 09:12	12/16/22 11:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/16/22 09:12	12/16/22 11:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/16/22 09:12	12/16/22 11:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/16/22 09:12	12/16/22 11:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/16/22 09:12	12/16/22 11:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/16/22 09:12	12/16/22 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*12/16/22 09:12*	*12/16/22 11:36*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*12/16/22 09:12*	*12/16/22 11:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/16/22 13:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/22 10:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/22 12:02	12/09/22 18:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 12:02	12/09/22 18:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 12:02	12/09/22 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*12/07/22 12:02*	*12/09/22 18:40*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*12/07/22 12:02*	*12/09/22 18:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.3**		4.95		mg/Kg			12/09/22 12:57	1

Client Sample ID: SW09

Lab Sample ID: 880-22250-2
Matrix: Solid
Date Collected: 12/02/22 11:25
Date Received: 12/02/22 13:48
Sample Depth: 0 - 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/22 09:12	12/16/22 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/22 09:12	12/16/22 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/22 09:12	12/16/22 11:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/16/22 09:12	12/16/22 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/22 09:12	12/16/22 11:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/16/22 09:12	12/16/22 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/16/22 09:12*	*12/16/22 11:56*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Client Sample ID: SW09

Lab Sample ID: 880-22250-2
Matrix: Solid
Date Collected: 12/02/22 11:25
Date Received: 12/02/22 13:48
Sample Depth: 0 - 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/16/22 09:12*	*12/16/22 11:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/16/22 13:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 10:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/07/22 12:02	12/09/22 19:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/07/22 12:02	12/09/22 19:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/07/22 12:02	12/09/22 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*12/07/22 12:02*	*12/09/22 19:01*	*1*
o-Terphenyl	*130*		*70 - 130*	*12/07/22 12:02*	*12/09/22 19:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.3**		5.02	mg/Kg			12/09/22 13:03	1

Client Sample ID: SW01

Lab Sample ID: 880-22250-3
Matrix: Solid
Date Collected: 12/02/22 11:30
Date Received: 12/02/22 13:48
Sample Depth: 0 - 4'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/16/22 09:12	12/16/22 12:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/16/22 09:12	12/16/22 12:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/16/22 09:12	12/16/22 12:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		12/16/22 09:12	12/16/22 12:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/16/22 09:12	12/16/22 12:17	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/16/22 09:12	12/16/22 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/16/22 09:12*	*12/16/22 12:17*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*12/16/22 09:12*	*12/16/22 12:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/16/22 13:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 10:49	1

Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Client Sample ID: SW01

Lab Sample ID: 880-22250-3
Matrix: Solid
Date Collected: 12/02/22 11:30
Date Received: 12/02/22 13:48
Sample Depth: 0 - 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/22 12:02	12/09/22 19:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/22 12:02	12/09/22 19:23	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/22 12:02	12/09/22 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*12/07/22 12:02*	*12/09/22 19:23*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*12/07/22 12:02*	*12/09/22 19:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.8**		4.98		mg/Kg			12/09/22 13:23	1

Client Sample ID: SW02

Lab Sample ID: 880-22250-4
Matrix: Solid
Date Collected: 12/02/22 11:35
Date Received: 12/02/22 13:48
Sample Depth: 0 - 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/16/22 09:12	12/16/22 12:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/16/22 09:12	12/16/22 12:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/16/22 09:12	12/16/22 12:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/16/22 09:12	12/16/22 12:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/16/22 09:12	12/16/22 12:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/16/22 09:12	12/16/22 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/16/22 09:12*	*12/16/22 12:37*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/16/22 09:12*	*12/16/22 12:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/16/22 13:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/22 10:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/22 12:02	12/09/22 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 12:02	12/09/22 19:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 12:02	12/09/22 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*12/07/22 12:02*	*12/09/22 19:44*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*12/07/22 12:02*	*12/09/22 19:44*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Client Sample ID: SW02

Lab Sample ID: 880-22250-4
Matrix: Solid
Date Collected: 12/02/22 11:35
Date Received: 12/02/22 13:48
Sample Depth: 0 - 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.4		5.00		mg/Kg			12/09/22 13:30	1

Client Sample ID: SW10

Lab Sample ID: 880-22250-5
Matrix: Solid
Date Collected: 12/02/22 11:40
Date Received: 12/02/22 13:48
Sample Depth: 0 - 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/16/22 09:12	12/16/22 12:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/16/22 09:12	12/16/22 12:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/16/22 09:12	12/16/22 12:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/16/22 09:12	12/16/22 12:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/16/22 09:12	12/16/22 12:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/16/22 09:12	12/16/22 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/16/22 09:12*	*12/16/22 12:58*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/16/22 09:12*	*12/16/22 12:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/16/22 13:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 10:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/22 12:02	12/09/22 20:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/22 12:02	12/09/22 20:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/22 12:02	12/09/22 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*12/07/22 12:02*	*12/09/22 20:06*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*12/07/22 12:02*	*12/09/22 20:06*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		5.00		mg/Kg			12/09/22 15:20	1

Surrogate Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

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)										
880-22250-1	SW08	86	88										
880-22250-2	SW09	109	97										
880-22250-3	SW01	102	87										
880-22250-4	SW02	106	98										
880-22250-5	SW10	105	85										
LCS 880-41760/1-A	Lab Control Sample	107	109										
LCSD 880-41760/2-A	Lab Control Sample Dup	133 S1+	126										
MB 880-41760/5-A	Method Blank	89	99										

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-22250-1	SW08	139 S1+	140 S1+										
880-22250-2	SW09	130	130										
880-22250-3	SW01	142 S1+	140 S1+										
880-22250-4	SW02	137 S1+	138 S1+										
880-22250-5	SW10	139 S1+	140 S1+										
LCS 880-41278/2-A	Lab Control Sample	119	137 S1+										
LCSD 880-41278/3-A	Lab Control Sample Dup	128	133 S1+										
MB 880-41278/1-A	Method Blank	106	144 S1+										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-41760/5-A
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41760

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/22 14:20	12/16/22 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*12/13/22 14:20*	*12/16/22 10:54*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/13/22 14:20*	*12/16/22 10:54*	*1*

Lab Sample ID: LCS 880-41760/1-A
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41760

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1028		mg/Kg		103	70 - 130		
Toluene			0.100	0.09358		mg/Kg		94	70 - 130		
Ethylbenzene			0.100	0.09654		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.2017		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.09938		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-41760/2-A
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41760

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1096		mg/Kg		110	70 - 130	6	35
Toluene			0.100	0.1076		mg/Kg		108	70 - 130	14	35
Ethylbenzene			0.100	0.1121		mg/Kg		112	70 - 130	15	35
m-Xylene & p-Xylene			0.200	0.2434		mg/Kg		122	70 - 130	19	35
o-Xylene			0.100	0.1213		mg/Kg		121	70 - 130	20	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

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

Lab Sample ID: MB 880-41278/1-A
Matrix: Solid
Analysis Batch: 41411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41278

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/22 12:02	12/09/22 09:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 12:02	12/09/22 09:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 12:02	12/09/22 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*12/07/22 12:02*	*12/09/22 09:13*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*12/07/22 12:02*	*12/09/22 09:13*	*1*

Lab Sample ID: LCS 880-41278/2-A
Matrix: Solid
Analysis Batch: 41411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41278

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	987.9		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1009		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*137*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-41278/3-A
Matrix: Solid
Analysis Batch: 41411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41278

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	872.7		mg/Kg		87	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	895.6		mg/Kg		90	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*133*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40994/1-A
Matrix: Solid
Analysis Batch: 41276

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/09/22 11:10	1

QC Sample Results

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-40994/2-A
Matrix: Solid
Analysis Batch: 41276

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.5		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-40994/3-A
Matrix: Solid
Analysis Batch: 41276

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	263.2		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-22250-2 MS
Matrix: Solid
Analysis Batch: 41276

Client Sample ID: SW09
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	11.3		251	285.9		mg/Kg		109	90 - 110		

Lab Sample ID: 880-22250-2 MSD
Matrix: Solid
Analysis Batch: 41276

Client Sample ID: SW09
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.3		251	285.9		mg/Kg		109	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

GC VOA

Prep Batch: 41760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22250-1	SW08	Total/NA	Solid	5035	
880-22250-2	SW09	Total/NA	Solid	5035	
880-22250-3	SW01	Total/NA	Solid	5035	
880-22250-4	SW02	Total/NA	Solid	5035	
880-22250-5	SW10	Total/NA	Solid	5035	
MB 880-41760/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41760/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41760/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 41992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22250-1	SW08	Total/NA	Solid	8021B	41760
880-22250-2	SW09	Total/NA	Solid	8021B	41760
880-22250-3	SW01	Total/NA	Solid	8021B	41760
880-22250-4	SW02	Total/NA	Solid	8021B	41760
880-22250-5	SW10	Total/NA	Solid	8021B	41760
MB 880-41760/5-A	Method Blank	Total/NA	Solid	8021B	41760
LCS 880-41760/1-A	Lab Control Sample	Total/NA	Solid	8021B	41760
LCSD 880-41760/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41760

Analysis Batch: 42038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22250-1	SW08	Total/NA	Solid	Total BTEX	
880-22250-2	SW09	Total/NA	Solid	Total BTEX	
880-22250-3	SW01	Total/NA	Solid	Total BTEX	
880-22250-4	SW02	Total/NA	Solid	Total BTEX	
880-22250-5	SW10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22250-1	SW08	Total/NA	Solid	8015NM Prep	
880-22250-2	SW09	Total/NA	Solid	8015NM Prep	
880-22250-3	SW01	Total/NA	Solid	8015NM Prep	
880-22250-4	SW02	Total/NA	Solid	8015NM Prep	
880-22250-5	SW10	Total/NA	Solid	8015NM Prep	
MB 880-41278/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41278/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22250-1	SW08	Total/NA	Solid	8015B NM	41278
880-22250-2	SW09	Total/NA	Solid	8015B NM	41278
880-22250-3	SW01	Total/NA	Solid	8015B NM	41278
880-22250-4	SW02	Total/NA	Solid	8015B NM	41278
880-22250-5	SW10	Total/NA	Solid	8015B NM	41278
MB 880-41278/1-A	Method Blank	Total/NA	Solid	8015B NM	41278
LCS 880-41278/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41278
LCSD 880-41278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41278

QC Association Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

GC Semi VOA

Analysis Batch: 41624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22250-1	SW08	Total/NA	Solid	8015 NM	
880-22250-2	SW09	Total/NA	Solid	8015 NM	
880-22250-3	SW01	Total/NA	Solid	8015 NM	
880-22250-4	SW02	Total/NA	Solid	8015 NM	
880-22250-5	SW10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22250-1	SW08	Soluble	Solid	DI Leach	
880-22250-2	SW09	Soluble	Solid	DI Leach	
880-22250-3	SW01	Soluble	Solid	DI Leach	
880-22250-4	SW02	Soluble	Solid	DI Leach	
880-22250-5	SW10	Soluble	Solid	DI Leach	
MB 880-40994/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40994/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40994/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22250-2 MS	SW09	Soluble	Solid	DI Leach	
880-22250-2 MSD	SW09	Soluble	Solid	DI Leach	

Analysis Batch: 41276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22250-1	SW08	Soluble	Solid	300.0	40994
880-22250-2	SW09	Soluble	Solid	300.0	40994
880-22250-3	SW01	Soluble	Solid	300.0	40994
880-22250-4	SW02	Soluble	Solid	300.0	40994
880-22250-5	SW10	Soluble	Solid	300.0	40994
MB 880-40994/1-A	Method Blank	Soluble	Solid	300.0	40994
LCS 880-40994/2-A	Lab Control Sample	Soluble	Solid	300.0	40994
LCSD 880-40994/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40994
880-22250-2 MS	SW09	Soluble	Solid	300.0	40994
880-22250-2 MSD	SW09	Soluble	Solid	300.0	40994

Lab Chronicle

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Client Sample ID: SW08
Date Collected: 12/02/22 11:20
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22250-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41760	MNR	EET MID	12/16/22 09:12
Total/NA	Analysis	8021B		1	41992	MNR	EET MID	12/16/22 11:36
Total/NA	Analysis	Total BTEX		1	42038	SM	EET MID	12/16/22 13:48
Total/NA	Analysis	8015 NM		1	41624	SM	EET MID	12/12/22 10:49
Total/NA	Prep	8015NM Prep			41278	DM	EET MID	12/07/22 12:02
Total/NA	Analysis	8015B NM		1	41411	SM	EET MID	12/09/22 18:40
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 12:57

Client Sample ID: SW09
Date Collected: 12/02/22 11:25
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22250-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41760	MNR	EET MID	12/16/22 09:12
Total/NA	Analysis	8021B		1	41992	MNR	EET MID	12/16/22 11:56
Total/NA	Analysis	Total BTEX		1	42038	SM	EET MID	12/16/22 13:48
Total/NA	Analysis	8015 NM		1	41624	SM	EET MID	12/12/22 10:49
Total/NA	Prep	8015NM Prep			41278	DM	EET MID	12/07/22 12:02
Total/NA	Analysis	8015B NM		1	41411	SM	EET MID	12/09/22 19:01
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 13:03

Client Sample ID: SW01
Date Collected: 12/02/22 11:30
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22250-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41760	MNR	EET MID	12/16/22 09:12
Total/NA	Analysis	8021B		1	41992	MNR	EET MID	12/16/22 12:17
Total/NA	Analysis	Total BTEX		1	42038	SM	EET MID	12/16/22 13:48
Total/NA	Analysis	8015 NM		1	41624	SM	EET MID	12/12/22 10:49
Total/NA	Prep	8015NM Prep			41278	DM	EET MID	12/07/22 12:02
Total/NA	Analysis	8015B NM		1	41411	SM	EET MID	12/09/22 19:23
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 13:23

Client Sample ID: SW02
Date Collected: 12/02/22 11:35
Date Received: 12/02/22 13:48

Lab Sample ID: 880-22250-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41760	MNR	EET MID	12/16/22 09:12
Total/NA	Analysis	8021B		1	41992	MNR	EET MID	12/16/22 12:37
Total/NA	Analysis	Total BTEX		1	42038	SM	EET MID	12/16/22 13:48

Lab Chronicle

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Client Sample ID: SW02

Lab Sample ID: 880-22250-4

Date Collected: 12/02/22 11:35
Matrix: Solid
Date Received: 12/02/22 13:48

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	41624	SM	EET MID	12/12/22 10:49
Total/NA	Prep	8015NM Prep			41278	DM	EET MID	12/07/22 12:02
Total/NA	Analysis	8015B NM		1	41411	SM	EET MID	12/09/22 19:44
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 13:30

Client Sample ID: SW10

Lab Sample ID: 880-22250-5

Date Collected: 12/02/22 11:40
Matrix: Solid
Date Received: 12/02/22 13:48

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41760	MNR	EET MID	12/16/22 09:12
Total/NA	Analysis	8021B		1	41992	MNR	EET MID	12/16/22 12:58
Total/NA	Analysis	Total BTEX		1	42038	SM	EET MID	12/16/22 13:48
Total/NA	Analysis	8015 NM		1	41624	SM	EET MID	12/12/22 10:49
Total/NA	Prep	8015NM Prep			41278	DM	EET MID	12/07/22 12:02
Total/NA	Analysis	8015B NM		1	41411	SM	EET MID	12/09/22 20:06
Soluble	Leach	DI Leach			40994	SMC	EET MID	12/05/22 09:48
Soluble	Analysis	300.0		1	41276	CH	EET MID	12/09/22 15:20

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

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

Method Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Young #1 Tank Battery

Job ID: 880-22250-1
SDG: 03C2012015

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-22250-1	SW08	Solid	12/02/22 11:20	12/02/22 13:48	0 - 4'
880-22250-2	SW09	Solid	12/02/22 11:25	12/02/22 13:48	0 - 4'
880-22250-3	SW01	Solid	12/02/22 11:30	12/02/22 13:48	0 - 4'
880-22250-4	SW02	Solid	12/02/22 11:35	12/02/22 13:48	0 - 4'
880-22250-5	SW10	Solid	12/02/22 11:40	12/02/22 13:48	0 - 4'

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 22250

www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	Bob Hall
Company Name:	Ensolum, LLC	Company Name:	BTA Oil
Address:	3122 Nat'l Parks Hwy	Address:	104 S Pecos St
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	Midland, TX 79701
Phone:	432-557-8895	Email:	hgreen@ensolum.com

Work Order Comments

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

State of Project:

Reporting Le ☐

Deliverables

880-22250 Chain of Custody

Project Name:	Young #1 Tank Battery	Turn Around	
Project Number:	03C2012015	☑ Routine ☐ Rush	
Project Location	32 767224, -103 729807	Due Date:	
Sampler's Name	Julianna Falcomata	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice.	(Yes) No
Samples Received Intact:	Yes No		Thermometer ID:	T-NM-007
Cooler Custody Seals:	Yes No N/A		Correction Factor	
Sample Custody Seals:	Yes No N/A		Temperature Reading	2.2
Total Containers:			Corrected Temperature:	

ANALYSIS REQUEST

Pres. Code

Parameters: CHLORIDES (EPA 300 0) | TPH (8015) | BTEX (8021)

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	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Sample Comments
SW08	S	12-2-22	1120	0-4'	C	1	
SW09	S	12-2-22	1125	0-4'	C	1	
SW01	S	12-2-22	1130	0-4'	C	1	nAPP2231476257
SW02	S	12-2-22	1135	0-4'	C	1	
SW10	S	12-2-22	1140	0-4'	C	1	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed These terms will be enforced unless previously negotiated

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		12-2-22 13:48	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

12/16/2022

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-22250-1
SDG Number: 03C2012015

Login Number: 22250
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

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

CARDINAL Laboratories

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

December 27, 2022

HADLIE GREEN

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: YOUNG #1

Enclosed are the results of analyses for samples received by the laboratory on 12/22/22 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	12/22/2022	Sampling Date:	12/22/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.7672, -103.7298		

Sample ID: FS 21 A (H226045-01)

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	12/22/2022	ND	1.99	99.7	2.00	4.31	
Toluene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94	
Total BTEX	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

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	12/22/2022	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	12/22/2022	ND	211	106	200	3.50	
DRO >C10-C28*	**26.6**	10.0	12/22/2022	ND	227	113	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane *79.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *79.8 %* *46.3-178*

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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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	12/22/2022	Sampling Date:	12/22/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.7672, -103.7298		

Sample ID: FS 48 A (H226045-02)

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	12/27/2022	ND	2.09	104	2.00	6.14	
Toluene*	<0.050	0.050	12/27/2022	ND	2.21	111	2.00	5.44	
Ethylbenzene*	<0.050	0.050	12/27/2022	ND	2.20	110	2.00	5.46	
Total Xylenes*	<0.150	0.150	12/27/2022	ND	6.75	113	6.00	5.67	
Total BTEX	<0.300	0.300	12/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *69.9-140*

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	12/22/2022	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	12/22/2022	ND	211	106	200	3.50	
DRO >C10-C28*	**31.0**	10.0	12/22/2022	ND	227	113	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane *82.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *82.5 %* *46.3-178*

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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:

ENSOLUM
HADLIE GREEN
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	12/22/2022	Sampling Date:	12/22/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	YOUNG #1	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.7672, -103.7298		

Sample ID: FS 66 A (H226045-03)

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	12/27/2022	ND	2.09	104	2.00	6.14	
Toluene*	<0.050	0.050	12/27/2022	ND	2.21	111	2.00	5.44	
Ethylbenzene*	<0.050	0.050	12/27/2022	ND	2.20	110	2.00	5.46	
Total Xylenes*	<0.150	0.150	12/27/2022	ND	6.75	113	6.00	5.67	
Total BTEX	<0.300	0.300	12/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *69.9-140*

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	12/22/2022	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	12/22/2022	ND	211	106	200	3.50	
DRO >C10-C28*	**10.5**	10.0	12/22/2022	ND	227	113	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane *80.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *79.9 %* *46.3-178*

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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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum
Project Manager: Hadlie Green
Address: 3122 National Parks Hwy
City: Carlsbad State: NM Zip: 88220
Phone #: 432-557-8895 Fax #:
Project #: 03C2012015 Project Owner:
Project Name: Young #1 Tank Battery
Project Location: Lea Co
Sampler Name: CB

BILL TO

P.O. #:
Company: BTA Oil
Attn: Bob Hall
Address: 104 S Pecos
City: Midland State: TX Zip: 79701
Phone #: 432-312-2203
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING				
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	CHL	BTX	TPH
H22604S																		
1	FS21A													12-22	0950			
2	FS48A														1600			
3	FS66A													↓	1010			

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Relinquished By: Date: 12-22-22 Time: 1100 Received By: Tamara Oldaker
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C 3.0
Corrected Temp. °C 2.4
Sample Condition: Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No
CHECKED BY: (Initials) T

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

CARDINAL Laboratories

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

February 14, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: YOUNG #1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/08/23 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 31 A (H230568-01)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	**96.0**	16.0	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	**26.5**	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *93.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 32 A (H230568-02)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	**96.0**	16.0	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *84.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.9 %* *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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 46 A (H230568-03)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	**64.0**	16.0	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *90.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.5 %* *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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 49 A (H230568-04)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	**16.0**	16.0	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *71.5 %* *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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 50 A (H230568-05)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	**240**	16.0	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *86.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.0 %* *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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 56 A (H230568-06)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *119 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *126 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 58 A (H230568-07)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	**64.0**	16.0	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *91.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.7 %* *49.1-148*

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Analytical Results For:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 60 A (H230568-08)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *95.1 %* *48.2-134*

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 68 A (H230568-09)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	**32.0**	16.0	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Analytical Results For:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 69 A (H230568-10)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *87.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 70 A (H230568-11)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	**32.0**	16.0	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *80.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.4 %* *49.1-148*

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Analytical Results For:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 71 A (H230568-12)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *98.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 76 A (H230568-13)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *79.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.7 %* *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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 78 A (H230568-14)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *82.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.7 %* *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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 79 A (H230568-15)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *92.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.1 %* *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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 80 A (H230568-16)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *92.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.6 %* *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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 81 A (H230568-17)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane *97.8 %* *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:

ENSOLUM, LLC
HADLIE GREEN
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	02/08/2023	Sampling Date:	02/06/2023
Reported:	02/14/2023	Sampling Type:	Soil
Project Name:	YOUNG #1 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012015	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA		

Sample ID: FS 83 A (H230568-18)

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	02/11/2023	ND	2.05	103	2.00	3.71	
Toluene*	<0.050	0.050	02/11/2023	ND	2.10	105	2.00	3.04	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.41	107	6.00	3.89	
Total BTEX	<0.300	0.300	02/11/2023	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	02/10/2023	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	02/10/2023	ND	183	91.6	200	6.32	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	175	87.6	200	8.08	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

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

Surrogate: 1-Chlorooctadecane *93.3 %* *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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Ensolum
Project Manager:	Hadlie Green
Address:	601 N. Marienfeld St Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-557-8895 Fax #:
Project #:	03C2012015 Project Owner:
Project Name:	Young #1 Tank Battery
Project Location:	Lea
Sampler Name:	Peter Van Patten

BILL TO

P.O. #:	
Company:	BTA Oil
Attn:	Bob Hall
Address:	104 S. Pecos St.
City:	Midland
State:	TX Zip: 79701
Phone #:	432-312-2203
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	SAMPLING TIME	Chlorides	TPH	BTEX
H230568																	
1	FS31A	C	1			✓					✓		2-6-23	1150	✓	✓	✓
2	FS32A	C	1			✓					✓		2-6-23	1155	✓	✓	✓
3	FS46A	C	1			✓					✓		2-6-23	1200	✓	✓	✓
4	FS49A	C	1			✓					✓		2-6-23	1245	✓	✓	✓
5	FS50A	C	1			✓					✓		2-6-23	1250	✓	✓	✓
6	FS56A	C	1			✓					✓		2-6-23	1420	✓	✓	✓
7	FS58A	C	1			✓					✓		2-6-23	1425	✓	✓	✓
8	FS60A	C	1			✓					✓		2-6-23	1430	✓	✓	✓
9	FS68A	C	1			✓					✓		2-6-23	1300	✓	✓	✓

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Relinquished By:	Date: 2.8.23 Time: 1445	Received By:	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 2.5 Corrected Temp. °C 1.9	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials) SK

Verbal Result: ☐ Yes ☒ No Add'l Phone #:
All Results are emailed. Please provide Email address:
hgreen@ensolum.com, kjennings@ensolum.com
REMARKS:

Turnaround Time: Standard ☐ Rush ☐
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool ☐Yes ☐No Intact ☐Yes ☐No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

2

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Ensolum
Project Manager:	Hadlie Green
Address:	601 N. Marienfeld St. Suite 400
City:	Midland State: TX Zip: 79701
Phone #:	432-557-8895 Fax #:
Project #:	03C2012015 Project Owner:
Project Name:	Young #1 Tank Battery
Project Location:	Lea
Sampler Name:	Peter Van Patten

BILL TO

P.O. #:	
Company:	BTA Oil
Attn:	Bob Hall
Address:	104 S. Pecos St.
City:	Midland
State:	TX Zip: 79701
Phone #:	432-32-2203
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	Chlorides	TPH	BTEX
H230568																	
10	FS69A	C	1			✓					✓		2-6	1305	↓	↓	↓
11	FS70A	C	1			✓					✓			1310			
12	FS71A	C	1			✓					✓			1335			
13	FS76A	C	1			✓					✓			1340			
14	FS78A	C	1			✓					✓			1345			
15	FS79A	C	1			✓					✓			1350			
16	FS80A	C	1			✓					✓			1355			
17	FS81A	C	1			✓					✓			1400			
18	FS83A	C	1			✓					✓		↓	1405			

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Relinquished By:	Date: 2.8.23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Peter Van Patten	Time: 1445		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	hgreen@ensolum.com, Kjennings@ensolum.com
	Time:		REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 2.5	Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 1.9		SPC	Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 3/16/2026 12:53:43 PM

Released to Imaging: 4/13/2026 10:32:30 AM

ENSOLUM

APPENDIX D

NMOCD Notifications

Anita Thapalia

From: OCDOnline@state.nm.us
Sent: Monday, November 21, 2022 6:29 PM
To: Bob Hall
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 160584

***** EXTERNAL EMAIL - Please use caution and **DO NOT** open attachments or click links from unknown or unexpected emails. *****

To whom it may concern (c/o Bob Hall for BTA OIL PRODUCERS, LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2231476257,
with the following conditions:

- **None**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Jocelyn Harimon
Environmental Specialist
575-748-1283
Jocelyn.Harimon@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: Nobui, Jennifer, EMNRD
To: Hadlie Green
Cc: Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD; Hamlet, Robert, EMNRD
Subject: FW: [EXTERNAL] BTA - Extension Request - Young #1 Tank Battery (Incident Number nAPP2231476257)
Date: Thursday, February 2, 2023 1:11:13 PM
Attachments: image001.png
image002.png
image003.png
image004.png
image005.jpg

[**EXTERNAL EMAIL**]

Hello Hadlie

OCD approves your 30-day extension request to March 10, 2023 for submitting a remediation plan and/or closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, February 2, 2023 10:53 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: FW: [EXTERNAL] BTA - Extension Request - Young #1 Tank Battery (Incident Number nAPP2231476257)

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Hadlie Green <hgreen@ensolum.com>
Sent: Thursday, February 2, 2023 10:41 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Tacoma Morrissey <tmorrissey@ensolum.com>; Bob Hall <bhall@btaoil.com>
Subject: [EXTERNAL] BTA - Extension Request - Young #1 Tank Battery (Incident Number

nAPP2231476257)

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

All,

BTA is requesting an extension for the current deadline of February 8, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for Young #1 Tank Battery (Incident Number nAPP2231476257). The release was discovered on November 10, 2022. Initial site assessment activities and excavation of impacted soil has been completed. Based on the most recent field screening results, BTA believes all impacted soil has been removed; however, we are waiting for laboratory analytical results to confirm. In order to complete additional remediation activities and submit a remediation work plan or closure report, BTA requests a 30-day extension of this deadline until March 10, 2023.

Thank you,

Hadlie Green
Staff Geologist
432-557-8895
hgreen@ensolum.com
Ensolum, LLC

ENSOLUM

APPENDIX E

FINAL C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2231476257
District RP	
Facility ID	fAPP2201832674
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # *(assigned by OCD)* nAPP2231476257
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.76721 Longitude: -103.72983
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Young #1 Tank Battery	Site Type: Tank Battery
Date Release Discovered: 11/10/2022	API# *(if applicable)* Nearest well:

Unit Letter	Section	Township	Range	County
A	11	18S	32E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls) 218 BBL	Volume Recovered (bbls) 100 BBL
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Tank Failure. An oil tank failed on the bottom, releasing the entire contents inside the earthen containment walls surrounding the battery. The oil was pushed out of the containment and onto the adjacent pasture. Vacuum truck used to recover 100 BO.

Spill Volume Calculation is attached.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2230983706
District RP	
Facility ID	fAPP2201832674
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? The release volume exceeded 25 BBL fluid.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
NOR assigned the present Incident ID nAPP2230983706 was filed on 11/10/2022.

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: Bob Hall Title: Environmental Manager

Signature: _____/s/ Bob Hall_____ Date: 11/21/2022

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Jocelyn Harimon Date: 11/21/2022

Location Young #1 Tank Failure
API #
Spill Date 11/11/2022

Spill Dimensions

ENTER - Length of Spill	81.5	**feet**
ENTER - Width of Spill	81.5	**feet**
ENTER - Saturation Depth of Spill	6	**inches**
ENTER - Porosity Factor	0.2	**decimal**

Oil Cut - Well Test / Vessel Throughput or Contents

Oil	99.999
Water	0.001
Calculated Oil Cut	0.99999

Volume Recovered in Truck / Containment

ENTER - Recovered Oil	100	**BBL**
ENTER - Recovered Water	0	**BBL**

Calculated Values	*calculated*	
Release of Oil in Soil - Unrecovered	118	***BBL***
Release of Water in Soil - Unrecovered	0	***BBL***
Unrecovered Total Release	118	***BBL***

Calculated Values	*calculated*	
Total Release of Oil	218	***BBL***
Total Release of Water	0	***BBL***
Total Release	218	***BBL***

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mix	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

$$\frac{\text{(Length X Width X Depth X 1 ft/12 in) X Porosity}}{5.615\ ft^3 / BBL} \times \text{Oil Cut (or Water Cut)}$$

Release extent approx: 5,295 sq ft
Containment area: 1,320 sq ft



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

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

CONDITIONS

Action 160584

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 160584
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	11/21/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2231476257
District RP	
Facility ID	fAPP2201832674
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	50 -100 (ft,bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2231476257
District RP	
Facility ID	fAPP2201832674
Application ID	

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

Printed Name: Bob Hall Title: Environmental Manager

Signature: Bob Hall Date: 3/10/2023

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Jocelyn Harimon Date: 03/10/2023

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2231476257
District RP	
Facility ID	fAPP2201832674
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Bob Hall Title: Environmental Manager

Signature: BeHall Date: 3/10/2023

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: Jocelyn Harimon Date: 03/10/2023

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

Closure Approved by: Jennifer Nobui Date: 03/20/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

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

CONDITIONS

Action 195804

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 195804
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please note, however, that the depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site and data should be no more than 25 years old. Two points on pad were above criteria, FS03 and FS05, with chloride data >600 mg/kg. Please implement 19.15.29.13 NMAC when completing P&A.	3/20/2023

APPENDIX G

CARMONA RESOURCES



Ashton Thielke

From: Morgan, Crisha A <camorgan@blm.gov>
Sent: Tuesday, August 12, 2025 1:43 PM
To: Ashton Thielke
Subject: Re: [EXTERNAL] Seed Mix Verification
Attachments: Seed_Mixture_2 LPC.doc

Bureau of Land Management

This site will require BLM Seed Mixture #2 for LPC. I have attached a copy for your records.

Please let me know if you have any additional questions.

Thank you,

Crisha A. Morgan |Certified - Environmental Protection Specialist | Program Officer|COR| Spills Coordinator| Orphaned & Idled Well POC Lead
Bureau of Land Management | Carlsbad Field Office
620 E. Greene Street Carlsbad, NM 88220
Cell 575-200-8648 | Office 575-234-5987 |camorgan@blm.gov

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From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Wednesday, August 6, 2025 10:37 AM
To: Morgan, Crisha A <camorgan@blm.gov>
Subject: [EXTERNAL] Seed Mix Verification

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

Good morning Crisha,

Can you let me know what seed mix to use here?

I think it might be BLM #2 mix.
32.76749,-103.72988

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



Seed Mixture for LPC Sand/Shinnery Sites

Holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed shall be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed shall be either certified or registered seed. The seed container shall be tagged in accordance with State law(s) and available for inspection by the Authorized Officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). Holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. Seeding shall be repeated until a satisfactory stand is established as determined by the Authorized Officer. Evaluation of growth may not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species	lb/acre
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

*Pounds of pure live seed:

Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

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 563325

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 563325
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1907834716**
Incident Name	**NAB1907834716 YOUNG, 8709 JV-P #001 HEATER TREATER @ 30-025-30051**
Incident Type	**Produced Water Release**
Incident Status	**Reclamation Report Received**
Incident Well	**[30-025-30051] YOUNG, 8709 JV-P #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	YOUNG, 8709 JV-P #001 HEATER TREATER
Date Release Discovered	02/20/2019
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	Cause: Corrosion | Separator | Crude Oil | Released: 5 BBL | Recovered: 0 BBL | Lost: 5 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion | Separator | Produced Water | Released: 5 BBL | Recovered: 0 BBL | Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 563325
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
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: Noah Tinker Title: Engineer Email: ntinker@btaoil.com Date: 03/16/2026

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
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 563325
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	3550
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	114
GRO+DRO (EPA SW-846 Method 8015M)	109
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	02/06/2026
On what date will (or did) the final sampling or liner inspection occur	02/06/2026
On what date will (or was) the remediation complete(d)	02/11/2026
What is the estimated surface area (in square feet) that will be reclaimed	85000
What is the estimated volume (in cubic yards) that will be reclaimed	915
What is the estimated surface area (in square feet) that will be remediated	4920
What is the estimated volume (in cubic yards) that will be remediated	820
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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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 563325
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	fEEM0112340644 R360 ARTESIA LLC LANDFARM
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Noah Tinker Title: Engineer Email: ntinker@btaoil.com Date: 03/16/2026
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 563325
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 563325
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**549100**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/13/2026**
What was the (estimated) number of samples that were to be gathered	**53**
What was the sampling surface area in square feet	**7500**

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	4920
What was the total volume (cubic yards) remediated	820
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	85000
What was the total volume (in cubic yards) reclaimed	915
Summarize any additional remediation activities not included by answers (above)	The historic release onsite was delineated and then subsequently remediated. Following confirmation of the removal of contamination the entire are was backfilled with clean topsoil and reclaimed and reseeded per BLM specifications.

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: Noah Tinker Title: Engineer Email: ntinker@btaoil.com Date: 03/16/2026

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QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 563325
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	85000
What was the total volume of replacement material (in cubic yards) for this site	915
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC 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, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	02/11/2026
Summarize any additional reclamation activities not included by answers (above)	The entire area was backfilled with clean topsoil. All equipment and trash was removed from the site. All caliche from the surface was deep buried and topsoil was brought to the surface to cap the entire area. The entire area was contoured to match the surrounding topography and windrows and hummocks were constructed to promote soil stability and re-vegetation. An earthen berm was constructed at the entrance and the entire area was reseeded with BLM #2 LPC seed mix.
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: Noah Tinker Title: Engineer Email: ntinker@btaoil.com Date: 03/16/2026

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QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 563325
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 563325
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation closure and reclamation report approved, release resolved. Release initiated on the well site; therefore, no reclamation activity will take place until the well site has been plugged and abandoned (P & A). Pending re-vegetation report after the well site has been P & A'd).	4/13/2026